

LABORATORY DATA CONSULTANTS, INC.
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Posillico Consulting
1750 New Highway
Farmingdale, NY 11735
ATTN: Mr. Ellis Koch

April 21, 2014

SUBJECT: Glen Isle, Data Validation

Dear Mr. Koch,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on March 6, 2014. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #31445:

SDG #

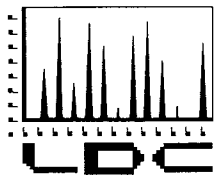
Fraction

480-55087-1, 480-55092-1
480-55157-1, 480-55212-1
480-53297-2

Volatiles, Semivolatiles, Chlorinated Pesticides,
Polychlorinated Biphenyls, Metals

The data validation was performed under category A and B guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA Region II Functional Guidelines for Evaluating Organic Analyses, September 2006
- USEPA Region 2 Standard Operating Procedure for Evaluation of Metals for the Contract Laboratory Program, SOP HW-2, Revision 13, September 2006
- USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA 540-R-08-01, June 2008
- USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, EPA 540-R-10-011, January 2010
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; Update IV, February 2007



Please feel free to contact us if you have any questions.

Sincerely,

Christina Rink
Project Manager/Chemist

31445ST.wpd

Site: Glen Isle
Laboratory: Test America Buffalo, NY
Report No.: 480-55087-1
Reviewer: Christina Rink and Josephine Go /Laboratory Data Consultants for RXR
 Glen Isle Partners, LLC
Date: March 25, 2014

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
LT-XC-020-02	480-55087-1	SVOC, Pesticides
LT-XC-020-4-6	480-55087-2	SVOC, Pesticides
LT-XC-020-6-8	480-55087-3	SVOC, Pesticides
CC-C-042-0-2**	480-55087-4	SVOC**, Pesticides**
CC-C-042-2-4**	480-55087-5	SVOC**, Pesticides**
CC-C-042-8-10	480-55087-7	SVOC, Pesticides
CC-C-043-0-2**	480-55087-8	SVOC**, Pesticides**
CC-C-043-2-4	480-55087-9	SVOC, Pesticides
CC-C-043-6-8**	480-55087-10	SVOC**, Pesticides**
DUP026	480-55087-12	SVOC, Pesticides
CC-C-044-0-2	480-55087-13	SVOC, Pesticides
CC-C-044-4-6	480-55087-14	SVOC, Pesticides
CC-C-044-8-10**	480-55087-16	SVOC**, Pesticides**
FB027	480-55087-17	SVOC, Pesticides
CC-C-045-0-2	480-55087-18	SVOC, Pesticides
CC-C-045-4-6**	480-55087-19	SVOC**, Pesticides**
CC-C-045-8-10	480-55087-21	SVOC, Pesticides
LT-C-048-0-2	480-55087-22	SVOC, Pesticides
LT-C-048-2-4	480-55087-23	SVOC, Pesticides
LT-C-048-6-8**	480-55087-24	SVOC, Pesticides**
CC-C-046-0-2**	480-55087-25	SVOC**, Pesticides**
CC-C-046-4-6**	480-55087-26	SVOC**, Pesticides**
CC-C-046-8-10	480-55087-28	SVOC, Pesticides
CC-C-047-0-2**	480-55087-29	SVOC**, Pesticides**
CC-C-047-2-4**	480-55087-30	SVOC**, Pesticides**
CC-C-047-8-10**	480-55087-31	SVOC**, Pesticides**
LT-C-049-0-2	480-55087-32	SVOC, Pesticides
LT-C-049-2-4	480-55087-33	SVOC, Pesticides
LT-C-049-8-10	480-55087-34	SVOC, Pesticides
CC-C-051-8-10**	480-55087-36	VOC**
CC-C-042-2-4MS	480-55087-5MS	SVOC
CC-C-042-2-4MSD	480-55087-5MSD	SVOC
CC-C-042-8-10MS	480-55087-7MS	Pesticides
CC-C-042-8-10MSD	480-55087-7MSD	Pesticides

Samples Reviewed and Evaluation Summary (continued)

FIELD ID	LAB ID	FRACTIONS VALIDATED
CC-C-043-6-8MS	480-55087-10MS	SVOC, Pesticides
CC-C-043-6-8MSD	480-55087-10MSD	SVOC, Pesticides
CC-C-046-0-2MS	480-55087-25MS	Pesticides
CC-C-046-0-2MSD	480-55087-25MSD	Pesticides
CC-C-046-4-6MS	480-55087-26MS	SVOC
CC-C-046-4-6MSD	480-55087-26MSD	SVOC

Associated QC Samples(s):

Field/Trip Blanks: FB028 (from SDG 480-55157-1), FB027

Field Duplicate pair: CC-C-042-0-2** and DUP026

The above-listed soil and water samples were collected on February 20, 2014 through February 21, 2014 and were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260C, semivolatile organic compounds (SVOCs) by SW-846 method 8270D, and pesticides by SW-846 method 8081B. The data validation was performed in accordance with the *USEPA Region II Functional Guidelines for Evaluating Organic Analyses* (September 2006) and the *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA 540-R-08-01* (June 2008), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- GC/Electron Capture Detector (GC/ECD) Instrument Performance Checks
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Moisture Content
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers with the exceptions listed below.

The SVOC nondetect results for benzaldehyde in samples CC-C-046-0-2**, CC-C-047-0-2**, CC-C-046-4-6**, CC-C-047-2-4**, CC-C-047-8-10**, CC-C-042-0-2**, CC-C-044-8-10**, CC-C-042-2-4**, CC-C-043-0-2**, and CC-C-045-4-6** were rejected (R) due to exceedances in the continuing calibration percent difference. The results are not usable for project objectives, which may have a major impact on the data usability.

Samples indicated by a double asterisk on the front cover underwent Category B review. A Category A review was performed on all of the other samples. Calibration and raw data were not evaluated for the samples reviewed by Category A criteria since this review is based on QC data.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

VOC and SVOC

All criteria were met. GC/MS tunes were not reviewed for samples reviewed by Category A criteria.

GC/ECD Instrument Performance Checks

Pesticide

All criteria were met. GC/ECD instrument performance checks were not reviewed for samples reviewed by Category A criteria.

Initial and Continuing Calibrations

Initial and continuing calibrations were not reviewed for samples reviewed by Category A criteria.

VOC

Compounds that did not meet criteria in the VOC calibrations are summarized in the following table.

Continuing calibration:

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
2/25/14	C37214	Acetone	24.9	CC-C-051-8-10**	XX	UJ nondetects

- X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J) positive and blank-qualified (UJ) results only.
- XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
- SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
- XXX = Continuing calibration (CC) and second source verification percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
- + = Response factor (RRF) < 0.05 or <0.01 and <0.005 for poor performing compounds; Estimate (J) positive results and reject (R) nondetect results.
- = Criteria were met.

The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

SVOC

Compounds that did not meet criteria in the SVOC calibrations are summarized in the following table.

Continuing calibration:

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
2/26/14	V8260	Hexachlorocyclopentadiene	22.1	CC-C-046-0-2** CC-C-047-0-2**	XX	UJ nondetects
2/26/14	V8261	Benzaldehyde	102.4	CC-C-046-0-2** CC-C-047-0-2**	XXX	R nondetects
2/26/14	V8281	4-Nitrophenol	29.2	CC-C-046-4-6**	XX	UJ nondetects
2/26/14	V8282	Benzaldehyde	90.9	CC-C-046-4-6**	XXX	R nondetects
2/27/14	V8302	Hexachlorocyclopentadiene	30.0	CC-C-047-2-4**	XX	UJ nondetects
		4-Nitrophenol	21.2	CC-C-047-8-10**	XX	UJ nondetects
2/27/14	V8305	Benzaldehyde	91.1	CC-C-047-2-4** CC-C-047-8-10**	XXX	R nondetects
2/28/14	V8377	Benzaldehyde	87.7	CC-C-043-6-8**	XX	UJ nondetects

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
2/25/14	X0087928	Hexachlorocyclopentadiene 4-Nitrophenol Butylbenzylphthalate	20.7 22.4 20.2	CC-C-042-0-2** CC-C-044-8-10**	XX XX XX	UJ nondetects UJ nondetects UJ nondetects
2/25/14	X0087929	Benzaldehyde	98.5	CC-C-042-0-2** CC-C-044-8-10**	XXX	R nondetects
2/26/14	X0087958	2,4-Dinitrophenol 4-Nitrophenol	21.2 21.4	CC-C-042-2-4** CC-C-043-0-2** CC-C-045-4-6**	XX XX	UJ nondetects UJ nondetects
2/26/14	X0087958	Butylbenzylphthalate	25.0	CC-C-042-2-4** CC-C-043-0-2**	XX XX	UJ nondetects UJ nondetects
2/26/14	X0087958	Butylbenzylphthalate	25.0	CC-C-045-4-6**	XX	J detects
2/26/14	X0087959	Benzaldehyde	102.4	CC-C-042-2-4** CC-C-043-0-2** CC-C-045-4-6**	XXX	R nondetects
2/7/14	V7680	Benzaldehyde	117.6	CC-C-046-0-2** CC-C-046-4-6** CC-C-047-0-2** CC-C-047-2-4** CC-C-047-8-10**	SS	UJ nondetects

- X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J) positive and blank-qualified (UJ) results only.
- XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
- SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
- XXX = Continuing calibration (CC) and second source verification percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
- + = Response factor (RRF) < 0.05 or <0.01 and <0.005 for poor performing compounds; Estimate (J) positive results and reject (R) nondetect results.
- = Criteria were met.

The bias cannot be determined. The results can be used for project objectives as estimated (J) and nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

The SVOC nondetect results for benzaldehyde in samples CC-C-046-0-2**, CC-C-047-0-2**, CC-C-046-4-6**, CC-C-047-2-4**, CC-C-047-8-10**, CC-C-042-0-2**, CC-C-044-8-10**, CC-C-042-2-4**, CC-C-043-0-2**, and CC-C-045-4-6** were rejected (R) due to exceedances in the continuing calibration percent difference. The results are not usable for project objectives, which may have a major impact on the data usability.

Pesticide

Compounds that did not meet criteria in the Pesticide calibrations are summarized in the following table.

Continuing calibration:

Date	Instrument ID	Column	Compound	CC %D	Associated Samples		Validation Action
2/25/14	5-5198	RTX-CLP I	Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin	33.8 35.2 30.4 22.6 20.6	LT-C-048-6-8**	XX	UJ nondetects UJ nondetects UJ nondetects UJ nondetects UJ nondetects
1/7/14	25_65064	RTX-CLP2	Toxapene	32.7	CC-C-042-0-2** CC-C-042-2-4** CC-C-043-0-2** CC-C-044-8-10** CC-C-045-4-6**	XX	UJ nondetects

- X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J) positive and blank-qualified (UJ) results only.
- XX = Continuing calibration (CC) and second source verification percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
- XXX = Continuing calibration (CC) and second source verification percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
- = Criteria were met.

The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Blanks

VOC

Contamination was not detected in the method blanks.

Contamination was detected in the field blank FB028 (from SDG 480-55157-1) for the VOC analyses. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected. The following table summarizes the contamination detected.

Field Blank ID	Compound	Level Detected	Action Level	Associated Samples
FB028	Methylene chloride	0.65 ug/L	<2x RL	CC-C-051-8-10**

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.

No samples were qualified since the associated sample results were nondetect.

SVOC

Contamination was not detected in the method blanks.

Contamination was detected in the field blank FB027 for the SVOC analyses. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <RL of the concentrations detected. The following table summarizes the contamination detected.

Field Blank ID	Compound	Level Detected	Action Level	Associated Samples
FB027	Di-n-butylphthalate	0.52 ug/L	<RL	LT-XC-020-02 LT-XC-020-4-6 LT-XC-020-6-8 CC-C-042-0-2** CC-C-042-2-4** CC-C-042-8-10 CC-C-043-0-2** CC-C-043-2-4 CC-C-043-6-8** DUP026 CC-C-044-0-2 CC-C-044-4-6 CC-C-044-8-10** CC-C-045-0-2 CC-C-045-4-6** CC-C-045-8-10 LT-C-048-0-2 LT-C-048-2-4 LT-C-048-6-8 CC-C-046-0-2** CC-C-046-4-6** CC-C-046-8-10 CC-C-047-0-2** CC-C-047-2-4** CC-C-047-8-10** LT-C-049-0-2 LT-C-049-2-4 LT-C-049-8-10

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.

No samples were qualified since the associated sample results were nondetect.

Pesticide

Contamination was detected in the associated pesticide method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at < RL for contaminants. The following table summarizes the contamination detected.

Blank ID	Compound	Level Detected	Action Level	Associated Samples
MB 480-167475/1-A	delta-BHC	0.524 ug/Kg	<RL	LT-C-048-2-4 CC-C-046-0-2** CC-C-046-4-6** CC-C-046-8-10 CC-C-047-0-2** CC-C-047-2-4** CC-C-047-8-10** LT-C-049-0-2
MB 480-167623/1-A	delta-BHC	0.371 ug/Kg	<RL	CC-C-043-6-8**

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and \leq the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and \leq the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

No samples were qualified.

Contamination was detected in the field blank FB027 for the pesticide analyses. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <RL of the concentrations detected. The following table summarizes the contamination detected.

Field Blank ID	Compound	Level Detected	Action Level	Associated Samples
FB027	alpha-BHC	0.0085 ug/L	<RL	LT-XC-020-02 LT-XC-020-4-6 LT-XC-020-6-8 CC-C-042-0-2** CC-C-042-2-4** CC-C-042-8-10 CC-C-043-0-2** CC-C-043-2-4 CC-C-043-6-8** DUP026 CC-C-044-0-2 CC-C-044-4-6 CC-C-044-8-10** CC-C-045-0-2 CC-C-045-4-6** CC-C-045-8-10 LT-C-048-0-2 LT-C-048-2-4 LT-C-048-6-8** CC-C-046-0-2** CC-C-046-4-6** CC-C-046-8-10 CC-C-047-0-2** CC-C-047-2-4** CC-C-047-8-10** LT-C-049-0-2 LT-C-049-2-4 LT-C-049-8-10

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and \leq the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and \leq the Action Level, qualify the result as not detected (U) at the reported concentration.

No samples were qualified since the associated sample results were nondetect.

Surrogate Recoveries

VOC and SVOC

All criteria were met.

Pesticide

Surrogates were recovered outside of control limits for samples LT-XC-020-02, CC-C-042-0-2**, CC-C-042-2-4**, CC-C-043-0-2**, CC-C-043-2-4, CC-C-043-6-8**, DUP026, CC-C-044-0-2, CC-C-045-0-2, CC-C-045-4-6**, CC-C-045-8-10, LT-C-048-2-4, CC-C-046-0-2**, CC-C-

046-4-6**, CC-C-046-8-10, CC-C-047-0-2**, CC-C-047-2-4**, CC-C-047-8-10**, and LT-C-049-0-2. No actions were taken for samples analyzed at greater than 5X dilution.

MS/MSD Results

VOC

MS/MSD analyses were not performed for the VOC analyses.

SVOC

MS/MSD analyses were performed on samples CC-C-042-2-4**, CC-C-043-6-8**, and CC-C-046-4-6** for SVOC. The following table lists the compounds recovered outside of control limits in the MS/MSD analyses and the resulting actions.

Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Affected Sample	Validation Action
Pyrene	135 (51-133)	-	-	CC-C-042-2-4**	J detects

- Within control limits

The pyrene results may be biased high. The results can be used for project objectives as estimate (J) which may have a minor impact on the data usability.

Pesticide

MS/MSD analyses were performed on samples CC-C-042-8-10, CC-C-043-6-8** and CC-C-046-0-2** for pesticide. All criteria were met.

LCS Results

VOC, SVOC, and Pesticide

All criteria were met.

Internal Standards

VOC

All criteria were met.

SVOC

The following table lists the internal standards recovered outside of control limits and the resulting actions. Internal standards were not reviewed for samples reviewed by Category A criteria.

Sample	Internal Standard	Area Exceedances (Limits)	Affected Compounds	Validation actions
CC-C-043-6-8**	Perylene-d12	249268 (295743-1182970)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene Benzo(g,h,i)perylene	J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects
CC-C-044-8-10**	Chrysene-d12	160699 (190277-761106)	3,3'-Dichlorobenzidine Benzo(a)anthracene Chrysene Bis(2-ethylhexyl)phthalate Di-n-octylphthalate	UJ nondetects UJ nondetects UJ nondetects UJ nondetects UJ nondetects
CC-C-043-0-2**	Chrysene-d12	163159 (174199-696794)	3,3'-Dichlorobenzidine Benzo(a)anthracene Chrysene Bis(2-ethylhexyl)phthalate Di-n-octylphthalate	J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects
CC-C-045-4-6**	Chrysene-d12	144748 (174199-696794)	3,3'-Dichlorobenzidine Benzo(a)anthracene Chrysene Bis(2-ethylhexyl)phthalate Di-n-octylphthalate	J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects

The bias cannot be determined from the internal standard nonconformance. The results can be used for project objectives as estimated values (J) and nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Moisture Content

VOC, SVOC, and Pesticide

All criteria were met.

Field Duplicate Results

VOC

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

SVOC

Samples CC-C-042-0-2 and DUP026 were submitted as the field duplicate pair with this sample group. The following table summarizes the concentrations and validation actions taken.

Compound	Concentration (ug/Kg)		RPD (Limits)	Difference (Limits)	Action
	CC-C-042-0-2	DUP026			
2-Methylnaphthalene	16	290	-	274 (≤ 3800)	-
Acenaphthene	23	180	-	157 (≤ 3800)	-
Acenaphthylene	42	1900U	-	1858 (≤ 3800)	-
Anthracene	93	270	-	177 (≤ 3800)	-
Benzo(a)anthracene	410	580	-	170 (≤ 3800)	-
Benzo(a)pyrene	360	610	-	250 (≤ 3800)	-
Benzo(b)fluoranthene	420	730	-	310 (≤ 3800)	-
Benzo(g,h,i)perylene	300	820	-	520 (≤ 3800)	-
Benzo(k)fluoranthene	400	320	-	80 (≤ 3800)	-
Bis(2-ethylhexyl)phthalate	87	1900U	-	1813 (≤ 3800)	-
Carbazole	23	1900U	-	1877 (≤ 3800)	-
Chrysene	440	640	-	200 (≤ 3800)	-
Dibenzo(a,h)anthracene	54	1900U	-	1846 (≤ 3800)	-
Dibenzofuran	17	110	-	93 (≤ 3800)	-
Fluoranthene	540	860	-	320 (≤ 3800)	-
Fluorene	28	140	-	112 (≤ 3800)	-
Indeno(1,2,3-cd)pyrene	350	1900U	-	1550 (≤ 3800)	-
Naphthalene	190U	160	-	30 (≤ 380)	-
Phenanthrene	360	880	-	520 (≤ 3800)	-
Pyrene	840	1100	-	260 (≤ 3800)	-

--no action required

For soil results > 5xQL and RPDs >100; estimate (J) results in the field duplicate pair.
 For soil results < 5xQL; the sample and duplicate results must be within 2XQL.

Pesticide

Samples CC-C-042-0-2 and DUP026 were submitted as the field duplicate pair with this sample group. The following table summarizes the concentrations and validation actions taken.

Compound	Concentration (ug/Kg)		RPD (Limits)	Difference (Limits)	Action
	CC-C-042-0-2	DUP026			
4,4'-DDD	51	49	-	2 (≤ 380)	-
4,4'-DDT	80	80	-	0 (≤ 380)	-

--no action required

For soil results > 5xQL and RPDs >100; estimate (J) results in the field duplicate pair.
 For soil results < 5xQL; the sample and duplicate results must be within 2XQL.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the MDL in the VOC, SVOC, and Pesticide analyses. These results were qualified as estimated (J) by the laboratory.

Due to difficult sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. QLs were elevated accordingly.

Sample	VOC Analysis Reported
CC-C-051-8-10**	2-fold dilution due to nature of sample matrix

Sample	SVOC Analysis Reported
CC-C-043-0-2** DUP026 CC-C-044-0-2 CC-C-045-4-6**	10-fold dilution due to nature of sample matrix
CC-C-046-0-2** CC-C-046-8-10 CC-C-047-0-2**	5-fold dilution due to nature of sample matrix

Sample	Pesticide Analysis Reported
LT-XC-020-02 CC-C-042-0-2** CC-C-043-0-2** DUP026 CC-C-047-2-4**	100-fold dilution due to nature of sample matrix
CC-C-042-2-4** CC-C-043-6-8** CC-C-044-0-2 CC-C-045-0-2 CC-C-045-4-6** CC-C-045-8-10	50-fold dilution due to nature of sample matrix
CC-C-043-2-4 LT-C-048-2-4 CC-C-046-8-10	10-fold dilution due to nature of sample matrix
CC-C-046-0-2** CC-C-046-4-6** CC-C-047-0-2** CC-C-047-8-10** LT-C-049-0-2	20-fold dilution due to nature of sample matrix

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

The following table lists the GC dual column RPDs for pesticide which were outside of control limits and the resulting actions. The direction of the bias cannot be determined from this nonconformance. All results are usable as nondetects or estimated values.

Sample	Compound	RPD (%)	Validation Actions
CC-C-042-0-2**	4,4'-DDD	33.23	J detects
CC-C-042-2-4**	alpha-Chlordane	27.73	J detects
CC-C-045-4-6**	4,4'-DDE	47.96	J detects
	4,4'-DDD	33.55	J detects
	Methoxychlor	32.19	J detects
CC-C-046-0-2**	alpha-Chlordane	60.47	J detects
	4,4'-DDE	29.09	J detects
CC-C-046-4-6**	beta-BHC	149.69	JN detects
CC-C-046-4-6**	alpha-Chlordane	61.93	J detects
	4,4'-DDE	32.76	J detects
	4,4'-DDT	56.87	J detects
	Endrin ketone	41.93	J detects
CC-C-047-0-2**	alpha-Chlordane	54.58	J detects
CC-C-047-8-10*	gamma-Chlordane	32.97	J detects
	4,4'-DDT	69.34	J detects

For %RPD between 26 and 70%; estimate (J) the positive result.

For %RPD between 71 and 100%; qualify the result as presumptively present (JN).

For %RPD >50% and the result < QL; raise the value to the QL and qualify as nondetect (U).

For %RPD > 100% and interference is present; qualify the result as presumptively present (JN).

For %RPD > 100% and interference is not present; reject (R) result.

DATA VALIDATION QUALIFIERS

- U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.
- J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified “J” data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The ‘J’ data may be biased high or low or the direction of the bias may be indeterminable.
- UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified “UJ” data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The ‘UJ’ data may be biased low.
- JN - The analysis indicates the presence of a compound that has been “tentatively identified” (N) and the associated numerical value represents its approximate (J) concentration.
- R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 31445A1a **VALIDATION COMPLETENESS WORKSHEET**

SDG #: 480-55087-1

Cat A/Cat B

Laboratory: Test America, Inc.

Date: 3/18/14

Page: 1 of 1

Reviewer: SVB2nd Reviewer: CL**METHOD:** GC/MS Volatiles (EPA SW 846 Method 8260C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/21/14
II.	GC/MS Instrument performance check	A	Not reviewed for Cat A review.
III.	Initial calibration	A	Not reviewed for Cat A review. $2 \text{ RSD} \leq 20\%$ r^2
IV.	Continuing calibration/ICV	SW	Not reviewed for Cat A review. $CCV \leq 20\%$ $CV \leq 30\%$
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	CS
VIII.	Laboratory control samples	A	LCS 16
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	A	Not reviewed for Cat A review.
XII.	Compound quantitation/RL/LOQ/LODs	SW	Not reviewed for Cat A review. $MDL < \text{Results} < RL = \text{factors/A}$
XIII.	Tentatively identified compounds (TICs)	N	Not reviewed for Cat A review.
XIV.	System performance	A	Not reviewed for Cat A review.
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	SW	FB = FB 028 (480-55157-1)

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

1	CC-C-051-8-10 ** (2x)	11	MB 480-167329/8	21		31	
2		12		22		32	
3		13		23		33	
4		14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

(dil ducts not trip (no r2))

LDC #: 31445 A1a

VALIDATION FINDINGS WORKSHEET

Continuing Calibration

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: [Signature]

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

Y(N) N/A Were percent differences (%D) $\leq 20\%$ and relative response factors (RRF) within the method criteria?

[illegible]

LDC #: 31445 A10

VALIDATION FINDINGS WORKSHEET

Field Blanks

Page: 1 of 1

Reviewer: JVG

2nd Reviewer: 92

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Y ☐ N ☐ N/A Were field blanks identified in this SDG?

Y ☐ N ☐ N/A Were target compounds detected in the field blanks?

Blank units: ug/L Associated sample units: ug/kg

Sampling date: 2/21/14

Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: _____ Associated Samples: All (MD)

Compound	Blank ID	Sample Identification								
	<u>FB028</u>									
<u>E</u>	<u>0.65</u>									

Blank units: _____ Associated sample units: _____

Sampling date: _____

Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: _____ Associated Samples: _____

Compound	Blank ID	Sample Identification								

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

Common contaminants such as Methylene chloride, Acetone, 2-Butanone and Carbon disulfide that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

LDC #: 31445A1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: 92

METHOD: GC/MS VOA (EPASW 846 Method 8260C)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$$\text{RRF} = (A_x)(C_{is}) / (A_{is})(C_x)$$

average RRF = sum of the RRFs/number of standards

$$\% \text{RSD} = 100 * (S/X)$$

 A_x = Area of Compound C_x = Concentration of compound

S= Standard deviation of the RRFs

 A_{is} = Area of associated internal standard C_{is} = Concentration of internal standard

X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (IS)	Reported RRF (RRF 25 std)	Recalculated RRF (RRF 25 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL HP5973C	02/18/14	MTBE (IS1)	1.3282	1.3282	1.3522	1.3522	5.5	5.5
			Chlorobenzene (IS2)	2.6260	2.6260	2.6733	2.6733	1.9	1.9
			1,1,2,2-TCA (IS3)	1.1548	1.1548	1.1875	1.1875	2.9	2.9

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

METHOD: GC/MS VOA (EPASW 846 Method 8260C)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

$$\% \text{ Difference} = 100 * (\text{ave. RRF} - \text{RRF}) / \text{ave. RRF}$$

$$\text{RRF} = (\text{Ax})(\text{Cis}) / (\text{Ais})(\text{Cx})$$

Where:

ave. RRF = initial calibration average RRF

RRF = continuing calibration RRF

Ax = Area of compound,

Cx = Concentration of compound,

Ais = Area of associated internal standard

Cis = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (IS)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported % D	Recalculated %D
1	c37214	2/25/2014	MTBE (IS1)	1.3522	1.4487	1.4487	7.1	7.1
			Chlorobenzene (IS2)	2.6733	2.5319	2.5319	5.3	5.3
			1,1,2,2-TCA (IS3)	1.1875	1.1480	1.1480	3.3	3.3

CCV1

Cis/Cx	Compound	Ax	Ais
50/50	MTBE (IS1)	733114	506035
50/50	Chlorobenzene (IS2)	624436	246629
50/50	1,1,2,2-TCA (IS3)	270340	235479

LDC #: 31445 A1a

VALIDATION FINDINGS WORKSHEET **Surrogate Results Verification**

Page: 1 of 1Reviewer: JVG2nd reviewer: CV**METHOD:** GC/MS VOA (EPA SW 846 Method 8260C)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate SpikedSample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4	25.0	24.4	97	97.6	1.0
Toluene-d8		21.1	84	84	0
Bromofluorobenzene		23.3	93	93	

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

LDC #: 21445 A1a

VALIDATION FINDINGS WORKSHEET **Laboratory Control Sample Results Verification**

Page: 1 of 1
 Reviewer: JVG
 2nd Reviewer: ez

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = $100 * SSC/SA$

Where: SSC = Spiked sample concentration
 SA = Spike added

RPD = $|LCSC - LCSDC| * 2 / (LCSC + LCSDC)$

LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: LCSD 480-167329/6.7-A

Compound	Spike Added (ug/kg)		Spiked Sample Concentration (ug/kg)		LCS		LCSD		LCS/LCSD	
					Percent Recovery		Percent Recovery		RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	2500	2500	2530	2520	101	101	101	101	0	0
Trichloroethene			2710	2700	108	108	108	108	0	0
Benzene			2580	2560	103	103	103	103	100	0
Toluene			2540	2590	102	102	104	104	2	2
Chlorobenzene			2480	2480	99	99	99	90	0	0

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

YES NO N/A

I. PACKAGE COMPLETENESS AND DELIVERABLES

CASE NUMBER/ SDG # : 31445A / 480-55087-1 LAB: Test America Buffalo

SITE NAME: Glen Isle

1.0 Data Completeness and Deliverables

1.1 Has all data been submitted in CLP deliverable
format or CLP Forms Equivalent? ☒ 1 1

ACTION: If not, note the effect on review of the data in
the Data Assessment narrative.

2.0 Cover Letter, SDG Narrative

2.1 Is a laboratory narrative, and/or cover letter
signed release present? ☒ 1 1

2.2 Are case number and SDG number(s) contained
in the narrative or cover letter? ☒ 1 1

ACTION: If not, note the effect on review of the data in
the Data Assessment narrative.

II. VOLATILE ANALYSES

1.0 Traffic Reports and Laboratory Narrative

1.1 Are the Traffic Reports, and/or Chain of Custodies
from the field samplers present for all samples
sign release present? ☒ 1 1

ACTION: If no, contact the laboratory/sampling team for replacement
of missing or illegible copies.

1.2 Is a sampling trip report present (if required)? ☒ 1 1

1.3 Sample Conditions/Problems

YES NO N/A

1.3.1 Do the Traffic Reports, Chain of Custodies, or Lab Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special notations affecting the quality of the data? 1/1

ACTION: If all the VOA vials for a sample have air bubbles or the VOA vial analyzed had air bubbles, flag all positive results "J" and all non-detects "R".

ACTION: If any sample analyzed as a soil, other than TCLP, contains 50%-90% water, all data should be flagged as estimated ("J"). If a soil sample, other than TCLP, contains more than 90% water, flag all positive results "J" and all non-detects "R".

ACTION: If samples were not iced or if the ice was melted upon receipt at the laboratory and the temperature of the cooler was elevated (>10°C), flag all positive results "J" and all non-detects non"UJ".

2.0 Holding Times

2.1 Have any volatile holding times, determined from date of collection to date of analysis, been exceeded? 1/1

The maximum holding time for aqueous samples is 14 days.

The maximum holding time for soils non aqueous samples is 14 days.

NOTE: If unpreserved, aqueous samples maintained at 4°C for aromatic hydrocarbons analysis must be analyzed within 7 days. If preserved with HCL acid to a pH<2 and stored at 4°C, then aqueous samples must be analyzed within 14 days from time of collection. For non-aqueous samples for volatile components that are frozen (less than 7°C) or are properly cooled (4°C ± 2°C) and perserved with NaHSO₄, the maximum holding time is 14 days from sample collection. If

YES NO N/A

uncertain about preservation, contact the laboratory /sampling team to determine whether or not samples were preserved.

ACTION: Qualify sample results according to Table 1:

Table 1. Holding Time Actions for Trace Volatile Analysis

Matrix	Preserved	Criteria	Action	
			Detected Associated Compounds	Non-Detected Associated Compounds
Aqueous	No	≤ 7 days	No qualifications	
	No	> 7 days	J	R
	Yes	≤ 14 days	No qualifications	
	Yes	> 14 days	J	R
Non Aqueous	No	≤ 14 days	J	R
	Yes	≤ 14 days	No qualifications	
	Yes/No	> 14 days	J	R

3.0 Surrogate Recovery (CLP Form II Equivalent)

3.1 Have the volatile surrogate recoveries been listed on Surrogate Recovery forms for each of the following matrices:

a. Water

☐ ☐ ☒

b. Soil

☒ ☐ ☐

3.2 If so, are all the samples listed on the appropriate Surrogate Recovery forms for each matrix:

a. Water

☐ ☐ ☒

b. Soil

☒ ☐ ☐

ACTION: If large errors exist, deliverables are unavailable or information is missing, document the effect(s) in Data

YES NO N/A

Assessments and contact the laboratory/project officer/appropriate official for an explanation /resubmittal, make any necessary corrections and document effect in the Data Assessment.

- 3.3 Were the surrogate recovery limits followed ^{lab limits.} ~~per Table 2.~~ If Table 2 criteria were not followed, the laboratory may use in-house performance criteria (per SW-846, Method 8000C, section 9.7). Other compounds may be used as surrogates, depending upon the analysis requirements. ☒ ☐ ☐

Table 2. Surrogate Spike Recovery Limits for Water and Soil/Sediments

DMC	Recovery Limits (%)Water	Recovery Limits Soil/Sediment
4-Bromofluorobenzene	80-120	70-130
Dibromofluoromethane	80-120	70-130
Toluene-d ₈	80-120	70-130
Dichloroethane-d ₄	80-120	70-130

Note: Use above table if laboratory did not provide in house recovery criteria.

Note: Other compounds may be used as surrogated depending upon the analysis requirements.

- 3.4 Were outliers marked correctly with an asterisk? ☐ ☐ ☒

ACTION: Circle all outliers with a red pencil.

- 3.5 Were one or more volatile surrogate recoveries out of specification for any sample or method blank. ~~Table 2.~~ ☐ ☒ ☐

If yes, were samples reanalyzed? ☐ ☐ ☒

Were method blanks reanalyzed? ☐ ☐ ☒

YES NO N/A

ACTION: If all surrogate recoveries are > 10% but 1 or more compounds do not meet method specifications:

1. Flag all positive results as estimated ("J").
2. Flag all non-detects as estimated detection limits ("UJ") when recoveries are less than the lower acceptance limit.
3. If recoveries are greater than the upper acceptance limit, do not qualify non-detects, but qualify positive results as estimated "J".

If any surrogate has a recovery of < 10%:

1. Positive results are qualified with ("J").
2. Non-detects for that should be qualified as unusable ("R").

NOTE: Professional judgement should be used to qualify data that have method blank surrogate recoveries out of specification in both original and reanalyses. The basic concern is whether the blank problems represent an isolated problem with the blank alone or whether there is a fundamental problem with the analytical process. If one or more samples in the batch show acceptable surrogate recoveries, the reviewer may choose the blank problem to be an isolated occurrence.

3.6 Are there any transcription/calculation errors between raw data and reported data?

11 / —

ACTION: If large errors exist, take action as specified in section 3.2 above.

4.0 Laboratory Control Sample (Form III/Equivalent)

4.1 Is the LCS prepared, extracted, analyzed, and reported once for every 20 field samples of a similar matrix, per SDG.

11 / —

YES NO N/A

Note: LCS consists of an aliquot of a clean (control) matrix similar to the sample matrix and of the same weight or volume.

ACTION: If any Laboratory Control Sample data are missing, call the lab for explanation /resubmittals. Make note in the data assessment.

4.2 Were the Laboratory Control Samples analyzed at the required frequency for each of the following matrices:

A. Water	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B. Soil	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
C. Med Soil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Note: The LCS is spiked with the same analytes at the same concentrations as the matrix spike (SW-846 8000C, Section 9.5). If different make note in data assessment. Matrix/LCS spiking standards should be prepared from volatile organic compounds which are representative of the compounds being investigating. At a minimum, the matrix spike should include 1,1-dichloroethene, trichloroethene, chlorobenzene, toluene, and benzene.

ACTION: If any MS/MD, MS/MSD or replicate data are missing, take the action specified in 3.2 above.

4.3 Have in house LCS recovery limits been developed (Method 8000C, Sect 9.7). ☒ ☐ ☐

4.4 If in house limits are not developed, are LCS acceptance recovery limits between 70 - 130% (Method 8000c Sect 9.5)? ☐ ☐ ☒

4.5 Were one or more of the volatile LCS recoveries outside the in house laboratory recovery criteria for spiked analytes? ~~If in house limits are not present use 70 - 130% recovery limits.~~ ☐ ☒ ☐

YES NO N/A

Table 3. LCS Actions for Volatile Analysis

Criteria	Action	
	Detected Spiked Compounds	Non-Detected Spiked Compounds
%R > Upper Acceptance Limit	J	No Qualifiers
%R < Lower Acceptance Limit	J	UJ
Lower Acceptance Limit \leq %R	No Qualifications	

5.0 Matrix Spikes (Form III or equivalent)

5.1 Are all data for matrix spike and matrix duplicate or matrix spike duplicate (MS/MD or MS/MSD) present and complete for each matrix? 11 — ✓

NOTE: The laboratory should use one matrix spike and a duplicate analysis of an unspiked field sample if target analytes are expected in the sample. If the sample is not expected to contain target analytes, a MS/MSD should be analyzed (SW-846, Method 8260B, Sect 8.4.2).

5.2 Have MS/MD or MS/MSD results been summarized on modified CLP Form III? 11 — ✓

ACTION: If any data are missing take action as specified in section 3.2 above.

5.3 Were matrix spikes analyzed at the required frequency for each of the following matrices? (One MS/MD, MS/MSD or laboratory replicate must be performed for every 20 samples)

YES NO N/A

of similar matrix or concentration level. Laboratories analyzing one to ten samples per month are required to analyze at least one MS per month [page 8000C, section 9.5.]]

- | | | | |
|---------------|-------------------------------------|-------------------------------------|--------------------------|
| a. Water | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b. Waste | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c. Soil/Solid | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Note: The LCS is spiked with the same analytes at the same concentrations as the matrix spike (SW-846 8000C, Section 9.5). If different make note in data assessment. Matrix/LCS spiking standards should be prepared from volatile organic compounds which are representative of the compounds being investigating. At a minimum, the matrix spike should include 1,1-dichloroethene, trichloroethene, chlorobenzene, toluene, and benzene. The concentration of the LCS should be determined as described SW-Method 8000C Section 9.5.

ACTION: If any MS/MD, MS/MSD or replicate data are missing, take the action specified in 3.2 above.

5.4 Have in house MS recovery limits been developed (Method 8000C, Sect 9.7) for each matrix. ☒ ☐ ☐

5.5 Were one or more of the volatile MS/MSD recoveries outside of the in-house laboratory recovery criteria for spiked analytes? If none are present, then use 70-130% recovery as per SW-846, 8000C, Sect. 9.5.4. ☒ ☐ ☐

ACTION: Circle all outliers with a red pencil.

NOTE: If any individual % recovery in the MS (or MSD) falls outside the designated range for recovery the reviewer should determine if there is a matrix effect. A matrix effect is indicated if the LCS data are within limits but the MS data exceeds the limits.

YES NO N/A

NOTE: No qualification of data is necessary on MS and MSD data alone. However, using informed professional judgement, the data reviewer may use MS and MSD results in conjunction with other QC criteria to determine the need for some qualification.

Note: The data reviewer should first try to determine to what extent the results of the MS and MSD affect the associated data. This determination should be made with regard to the MS and MSD sample itself, as well as specific analytes for all samples associated with the MS and MSD.

Note: In those instances where it can be determined that the results of the MS and MSD affect only the sample spiked, limit qualification to this sample only. However, it may be determined through the MS and MSD results that a laboratory is having a systematic problem in the analysis of one or more analytes that affect all associated samples, and the reviewer must use professional judgement to qualify the data from all associated samples.

Note: The reviewer must use professional judgement to determine the need for qualification of non-spiked compounds.

ACTION: Follow criteria in Table 4 when professional judgement deems qualification of sample.

Table 4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Actions for Volatile Analysis

Criteria	Action	
	Detected Spiked Compounds	Non-Detected Spiked Compounds
%R > Upper Acceptance Limit	J	No Qualifiers
%R < Lower Acceptance Limit	J	UJ
Lower Acceptance Limit ≤ %R	No Qualifications	

YES NO N/A

6.0 Blank (CLP Form IV Equivalent)

6.1 Is the Method Blank Summary form present?

1/1 — —

6.2 Frequency of Analysis: Has a method blank been analyzed for every 20 (or less) samples of similar matrix or concentration or each extraction batch?

1/1 — —

6.3 Has a method blank been analyzed for each GC/MS system used ?

1/1 — —

ACTION: If any blank data are missing, take action as specified above (section 3.2). If blank data is not available, reject @ all associated positive data. However, using professional judgement, the data reviewer may substitute field blank data for missing method blank data.

6.4 Chromatography: review the blank raw data - chromatograms, quant reports or data system printouts.

Is the chromatographic performance (baseline stability) for each instrument acceptable for volatile organic compounds?

1/1 — —

7.0 Contamination

NOTE: "Water blanks", "drill blanks" and "distilled water blanks" are validated like any other sample and are not used to qualify the data. Do not confuse them with the other QC blanks discussed below.

7.1 Do any method/instrument/reagent blanks have positive results for target analytes and/or TICs? When applied as described below, the contaminant concentration in these blanks are multiplied by the sample dilution factor and corrected for percent moisture where necessary.

1/1 — —

YES NO N/A

7.2 Do any field/rinse blanks have positive
volatile organic compound results?

✓ 11 mm

ACTION: Prepare a list of the samples associated with each
of the contaminated blanks. (Attach a separate
sheet.)

NOTE: All field blank results associated to a particular
group of samples (may exceed one per case or one
per day) may be used to qualify data. Blanks may
not be qualified because of contamination in
another blank. Field blanks must be qualified for
surrogate, or calibration QC problems.

ACTION: Follow the directions in Table 5 below to qualify
sample results due to contamination. Use the
largest value from all the associated blanks.

Table 5. Volatile Organic Analysis Blank Contamination Criteria

Blank Type	Blank Result	Sample Result	Action for Samples
Method, Storage, Field, Trip, Instrument**	Detects	Not detected	No qualification
	< CRQL*	< CRQL	Report CRQL value with a U
		≥ CRQL	Use professional judgement
	> CRQL*	< CRQL	Report CRQL value with a U
		≥ CRQL and < blank contamination	Report the concentration for the sample with a U, or qualify the data as unusable R
		≥ CRQL and ≥ blank contamination	Use professional judgement
	= CRQL*	< CRQL	Report CRQL value with a U
		≥ CRQL	Use professional judgement
	Gross contamination	Detects	Qualify results as unusable R

* 2x the CRQL for methylene chloride, 2-butanone, and acetone

** Qualifications based on instrument blank results affect only the sample analyzed immediately after the sample that has target compounds that exceed the calibration range or non-target compounds that exceed 100 ug/L.

NOTE: If gross blank contamination exists (e.g., saturated peaks, "hump-o-grams," "junk" peaks), all affected positive compounds in the associated samples should be qualified as unusable "R", due to interference. Non-detected volatile organic target compounds do not require qualification unless the contamination is so high that it interferes with the analyses of non-detected compounds.

YES NO N/A

7.3 Are there field/rinse/equipment blanks associated with every sample?

☒ ☐ ☐

ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

8.0 GC/MS Apparatus and Materials

8.1 Did the lab use the proper gas chromatographic column(s) for analysis of volatiles by Method 8260B? Check raw data, instrument logs or contact the lab to determine what type of column(s) was (were) used.

☒ ☐ ☐

NOTE: For the analysis of volatiles, the method requires the use of 60 m. x 0.75 mm capillary column, coated with VOCOL(Supelco) or equivalent column. (see SW-846, page 8260B-7, section 4.9.2)

ACTION: If the specified column, or equivalent, was not used, document the effects in the Data Assessment. Use professional judgement to determine the acceptability of the data.

9.0 GC/MS Instrument Performance Check (CLP Form V Equivalent)

9.1 Are the GC/MS Instrument Performance Check forms present for Bromofluorobenzene (BFB), and do these forms list the associated samples with date/time analyzed?

☒ ☐ ☐

9.2 Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the BFB provided for each twelve hour shift?

☒ ☐ ☐

9.3 Has an instrument performance check solution (BFB)

YES NO N/A

been analyzed for every twelve hours of sample analysis per instrument?(see Table 4, SW-846, page 8260B-36)

☒ ☐ ☐

ACTION: List date, time, instrument ID, and sample analyses for which no associated GC/MS GC/MS tuning data are available.

ACTION: If the laboratory/project officer cannot provide missing data, reject ("R") all data generated outside an acceptable twelve hour calibration interval.

ACTION: If mass assignment is in error, flag all associated sample data as unusable, "R".

9.4 Have the ion abundances been normalized to m/z 95?

☒ ☐ ☐

9.5 Have the ion abundance criteria been met for each instrument used?

☒ ☐ ☐

ACTION: List all data which do not meet ion abundance criteria (attach a separate sheet).

ACTION: If ion abundance criteria are not met, take action as specified in section 3.2.

9.6 Are there any transcription/calculation errors between mass lists and reported values? (Check at least two values but if errors are found, check more.)

☐ ☒ ☐

9.7 Have the appropriate number of significant figures (two) been reported?

☒ ☐ ☐

ACTION: If large errors exist, take action as specified in section 3.2.

9.8 Are the spectra of the mass calibration compounds acceptable.

☒ ☐ ☐

ACTION: Use professional judgement to determine whether associated data should be accepted, qualified, or rejected.

YES NO N/A

10.0 Target Analytes (CLP Form I Equivalent)

10.1 Are the Organic Analysis reporting forms present with required header information on each page, for each of the following:

- | | | | |
|--|-------------------------------------|-------------------------------------|--------------------------|
| a. Samples and/or fractions as appropriate | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Matrix spikes and matrix spike duplicates | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c. Blanks | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| d. Laboratory Control Samples | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

10.2 Are the reconstructed Ion Chromatograms, mass spectra for the identified compounds, and the data system printouts (Quant Reports) included in the sample package for each of the following?

- | | | | |
|---|-------------------------------------|-------------------------------------|--------------------------|
| a. Samples and/or fractions as appropriate | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Matrix spikes and matrix spike duplicates
(Mass spectra not required) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c. Blanks | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| d. Laboratory Control Samples | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

ACTION: If any data are missing, take action specified in 3.2 above.

10.3 Is chromatographic performance acceptable with respect to:

Baseline stability?

☒ ☐ ☐

YES NO N/A

Resolution?

☒ ☐ ☐

Peak shape?

☒ ☐ ☐

Full-scale graph (attenuation)?

☒ ☐ ☐

Other: _____

ACTION: Use professional judgement to determine the acceptability of the data.

10.4 Are the lab-generated standard mass spectra of identified volatile compounds present for each sample? ☒ ☐ ☐

ACTION: If any mass spectra are missing, take action specified in 3.2 above. If the lab does not generate their own standard spectra, make a note in the Data Assessment. If spectra are missing, contact the lab for missing spectra.

10.5 Is the RRT of each reported compound within 0.06 RRT units of the standard RRT in the continuing calibration? ☒ ☐ ☐

10.6 Are all ions present in the standard mass spectrum at a relative intensity greater than 10% (of the most abundant ion) also present in the sample mass spectrum? ☒ ☐ ☐

10.7 Do the relative intensities of the characteristic ions in the sample agree within $\pm 30\%$ of the corresponding relative intensities in the reference spectrum? ☒ ☐ ☐

ACTION: Use professional judgement to determine acceptability of data. If it is determined that incorrect identifications were made, all such data should be rejected ("R"), flagged ("N") - Presumptive evidence of the presence of the compound) or changed to non detected ("U") at the calculated detection limit. In order to be

YES NO N/A

positively identified, the data must comply with the criteria listed in 9.6, 9.7, and 9.8.

ACTION: When sample carry-over is a possibility, professional judgement should be used to determine if instrument cross-contamination has affected any positive compound identification.

11.0 Tentatively Identified Compounds (TIC) (CLP Form I/TIC Equivalent)

11.1 If Tentatively Identified Compound were required for this project, are all Tentatively Identified Compound reporting forms present; and do listed TICs include scan number or retention time, estimated concentration and a qualifier? ☒ ☐ ☐

NOTE: Add "N" qualifier to all TICs which have CAS number, if missing.

NOTE: Have the project officer/appropriate official check the project plan to determine if lab was required to identify non-target analytes (SW-846, page 8260B-23, Sect. 7.6.2).

11.2 Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following:

- a. Samples and/or fractions as appropriate ☒ ☐ ☐
- b. Blanks ☒ ☐ ☐

ACTION: If any TIC data are missing, take action specified in 3.2 above.

ACTION: Add "JN" qualifier only to analytes identified by a CAS#.

NOTE: If TICs are present in the associated blanks take action as specified in section 3.2 above.

YES NO N/A

11.3 Are any priority pollutants listed as TIC compounds (i.e., an BNA compound listed as a VOA TIC)? ☐ ☐ ☒

ACTION: 1. Flag with "R" any target compound listed as a TIC.

2. Make sure all rejected compounds are properly reported if they are target compounds.

11.4 Are all ions present in the reference mass spectrum with a relative intensity greater than 10% (of the most abundant ion) also present in the sample mass spectrum? ☐ ☐ ☒

11.5 Do TIC and "best match" standard relative ion intensities agree within $\pm 20\%$? ☐ ☐ ☒

ACTION: Use professional judgement to determine acceptability of TIC identifications. If it is determined that an incorrect identification was made, change the identification to "unknown" or to some less specific identification (example: "C3 substituted benzene") as appropriate. Also, when a compound is not found in any blank, but is a suspected artifact of a common laboratory contaminant, the result should be qualified as unusable, "R". (Common lab contaminants: CO₂ (M/E 44), Siloxanes (M/E 73), Hexane, Aldol Condensation Products, Solvent Preservatives, and related byproducts).

12.0 Compound Quantitation and Reported Detection Limits

12.1 Are there any transcription/calculation errors in organic analysis reporting form results? Check at least two positive values. Verify that the correct internal standard, quantitation ion, and average initial RRF/CF were used to calculate organic analysis reporting form result. Were any errors found? ☐ ☒ ☐

NOTE: Structural isomers with similar mass spectra, but insufficient GC resolution (i.e. percent valley between the two peaks > 25%) should be

YES NO N/A

reported as isomeric pairs. The reviewer should check the raw data to ensure that all such isomers were included in the quantitation (i.e., add the areas of the two coeluting peaks to calculate the total concentration).

12.2 Are the method CRQL's adjusted to reflect sample dilutions and, for soils, sample moisture?

☒ ☐ ☐

ACTION: If errors are large, take action as specified in section 3.2 above.

ACTION: When a sample is analyzed at more than one dilution, the lowest detection limits are used (unless a QC accedence dictates the use of the higher detection limit from the diluted sample data). Replace concentrations that exceed the calibration range in the original analysis by crossing out the "E" and it's associated value on the original reporting form (if present) and substituting the data from the analysis of the diluted sample. Specify which organic analysis reporting form is to be used, then draw a red "X" across the entire page of all reporting forms that should not be used, including any in the summary package.

13.0 Standards Data (GC/MS)

13.1 Are the Reconstructed Ion Chromatograms, and data system printouts (Quant Reports) present for initial and continuing calibration?

☒ ☐ ☐

ACTION: If any calibration standard data are missing, take action specified in section 3.2 above.

14.0 GC/MS Initial Calibration (CLP Form VI Equivalent)

YES NO N/A

14.1 Are the Initial Calibration reporting forms present and complete for the volatile fraction? 1/1 — —

ACTION: If any calibration forms or standard raw data are missing, take action specified in section 3.2 above.

ACTION: If the percent relative standard deviation (% RSD) is > 20%, (8000C-39) qualify positive results for that analyte "J". When % RSD > 90%,. Qualify all positive results for that analyte "J" and all non-detects results for that analyte "R".

14.2 Are all average RRFs > 0.050? 1/1 — —

NOTE: (Method Requirement) For SPCC compounds, the individual RRF values must be \geq the values in the following list. If individual RRF values reported are below the listed values document in the Data Assessment.

Chloromethane	0.10
1,1-Dichloroethane	0.10
Bromoform	0.10
Chlorobenzene	0.30
1,1,2,2-Tetrachloroethane	0.30

ACTION: Circle all outliers with red pencil.

ACTION: For any target analyte with average RRF < 0.05, or for the requirements for the 5 compounds in 14.2 above, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R".

14.3 Are response factors stable over the concentration range of the calibration. 1/1 — —

NOTE: (Method Requirement) For the following CCC compounds, the %RSD values must be \leq 30.0%. If %RSD values reported are > 30.0% document in the Data Assessment.

YES NO N/A

1,1-Dichloroethene
Chloroform
1,2-Dichloropropane
Toluene
Ethylbenzene
Vinyl chloride

ACTION: Circle all outliers with a red pencil.

ACTION: If the % RSD is > 20.0%, or > 30% for the 6 compounds in 14.3 above, qualify positive results for that analyte "J" and non-detects using professional judgement. When RSD > 90%, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R".

NOTE: The above data qualification action applies regardless of method requirements.

NOTE: Analytes previously qualified "U" due to blank contamination are still considered as "hits" when qualifying for calibration criteria.

14.4 Was the % RSD determined using RRF or CF?

11 — —

If no, what method was used to determine the linearity of the initial calibration? Document any effects to the case in the Data Assessment.

14.5 Are there any transcription/calculation errors in the reporting of RRF or % RSD? (Check at least two values but if errors are found, check more.)

11 — —

ACTION: Circle errors with a red pencil.

ACTION: If errors are large, take action as specified in section 3.2 above.

15.0 GC/MS Calibration Verification (CLP Form VII Equivalent)

YES NO N/A

15.1 Are the Calibration Verification reporting forms present and complete for all compounds of interest? 11 — —

15.2 Has a calibration verification standard been analyzed for every twelve hours of sample analysis per instrument? 11 — —

ACTION: List below all sample analyses that were not within twelve hours of a calibration verification analysis for each instrument used.

ACTION: If any forms are missing or no calibration verification standard has been analyzed twelve hours prior to sample analysis, take action as specified in section 3.2 above. If calibration verification data are not available, flag all associated sample data as unusable ("R").

15.3 Was the % D determined from the calibration verification determined using RRF or CF? 11 — —

If no, what method was used to determine the calibration verification? Document any effects to the case in the Data Assessment.

15.4 Do any volatile compounds have a % D (difference or drift) between the initial and continuing RRF or CF which exceeds 20% (SW-846, page 8260B-19, section 7.4.5.2). 11 — —

NOTE: (Method Requirement) For the following CCC compounds, the %D values must be $\leq 20.0\%$. If %D values reported are $> 20.0\%$ document in the Data Assessment.

1,1-Dichloroethene
Chloroform
1,2-Dichloropropane
Toluene
Ethylbenzene
Vinyl chloride

YES NO N/A

ACTION: Circle all outliers with a red pencil.

ACTION: Qualify both positive results and non-detects for the outlier compound(s) as estimated, "J". When %D is above 90%, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R".

NOTE: The above data qualification action applies regardless of method requirements.

15.5 Do any volatile compounds have a RRF < 0.05? 11 / —

NOTE: (Method Requirement) For SPCC compounds, the individual RRF values must be \geq the values in the following list for each calibration verification. If average RRF values reported are below the listed values document in the data assessment.

Chloromethane	0.10
1,1-Dichloroethane	0.10
Bromoform	0.10
Chlorobenzene	0.30
1,1,2,2-Tetrachloroethane	0.30

ACTION: Circle all outliers with a red pencil.

ACTION: If RRF < 0.05, or < the requirements for the 5 compounds in section 15.5 above, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R".

NOTE: The above data qualification action applies regardless of method requirements.

16.0 Internal Standards (CLP Form VIII Equivalent)

16.1 Are the internal standard (IS) areas on the internal standard reporting forms of every sample and blank within the upper and lower limits (-50% to + 100%) for each initial mid-point calibration (SW-846, 8260B-20, Sect. 7.4.7)? 11 / — —

YES NO N/A

ACTION: If errors are large or information is missing, take action as specified in section 3.2 above.

ACTION: List each outlying internal standard below.

Sample ID	IS #	Area Lower Limit	Area Upper Limit
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

(Attach additional sheets if necessary.)

- ACTION:
1. If the internal standard area count is outside the upper or lower limit, flag with "J" all positive results quantitated with this internal standard.
 2. Do not qualify non-detects when the associated IS are counts area > + 100%.
 3. If the IS area is below the lower limit (< - 50%), qualify all associated non-detects (U-values) "J".
 4. If extremely low area counts are reported (< - 25%) or if performance exhibits a major abrupt drop off, flag all associated non-detects as unusable "R" and positive results as estimated "J".

16.2 Are the retention times of all internal standards within 30 seconds of the associated initial mid-point calibration standard (SW-846, 8260B-20, Sect. 7.4.6)?

ACTION: Professional judgement should be used to qualify data if the retention times differ by more than 30 seconds.

YES NO N/A

17.0 Field Duplicates

17.1 Were any field duplicates submitted for
volatile analysis?

11 /

ACTION: Compare the reported results for field duplicates and
calculate the relative percent difference.

ACTION: Any gross variation between field duplicate
results must be addressed in the Data Assessment.
However, if large differences exist, take action
specified in section 3.2 above.

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270^D)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/20/14
II.	GC/MS Instrument performance check	A	Not reviewed for Cat A review.
III.	Initial calibration	A	Not reviewed for Cat A review. % RSD $\leq 20\%$ ✓
IV.	Continuing calibration/ICV	SW	Not reviewed for Cat A review. CV $\leq 20\%$
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	SW	
VIII.	Laboratory control samples	A	LCS/D
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	SW	
XI.	Target compound identification	A	Not reviewed for Cat A review.
XII.	Compound quantitation/RL/LOQ/LODs	SW	Not reviewed for Cat A review. MDL < Results < RL = Jdet A
XIII.	Tentatively identified compounds (TICs)	N	Not reviewed for Cat A review.
XIV.	System performance	A	Not reviewed for Cat A review.
XV.	Overall assessment of data	A	
XVI.	Field duplicates	SW	D = 4 10
XVII.	Field blanks	SW	FB = 14

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

Soil + Water (1)

1	LT-XC-020-02	11	CC-C-044-0-2 (10x)	21	CC-C-046-0-2 ** (5x)	31	CC-C-042-2-4MSD
2	LT-XC-020-4-6	12	CC-C-044-4-6	22	CC-C-046-4-6 **	32	CC-C-043-6-8MS
3	LT-XC-020-6-8	13	CC-C-044-8-10 **	23	CC-C-046-8-10 (5x)	33	CC-C-043-6-8MSD
4	CC-C-042-0-2 ** D	14	FB027 W	24	CC-C-047-0-2 ** (5x)	34	CC-C-046-4-6MS
5	CC-C-042-2-4 **	15	CC-C-045-0-2	25	CC-C-047-2-4 **	35	CC-C-046-4-6MSD
6	CC-C-042-8-10	16	CC-C-045-4-6 ** (10x)	26	CC-C-047-8-10 **	36	MB 480-167265/1-A
7	CC-C-043-0-2 ** (10x)	17	CC-C-045-8-10	27	LT-C-049-0-2	37	-167284/1-A
8	CC-C-043-2-4	18	LT-C-048-0-2	28	LT-C-049-2-4	38	-167424/1-A
9	CC-C-043-6-8 ** 3	19	LT-C-048-2-4	29	LT-C-049-8-10	39	-167347/1-A
10	DUP026 (10x) b	20	LT-C-048-6-8	30	CC-C-042-2-4MS	40	

(dil due to matrix)

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS SVOA

A. Phenol	T. 4-Chloroaniline	MM. 4-Chlorophenyl-phenyl ether	FFF. Di-n-octylphthalate	YYY. 2,3,5-Trimethylnaphthalene
B. Bis (2-chloroethyl) ether	U. Hexachlorobutadiene	NN. Fluorene	GGG. Benzo(b)fluoranthene	ZZZ. Perylene
C. 2-Chlorophenol	V. 4-Chloro-3-methylphenol	OO. 4-Nitroaniline	HHH. Benzo(k)fluoranthene	AAAA. Dibenzothiophene
D. 1,3-Dichlorobenzene	W. 2-Methylnaphthalene	PP. 4,6-Dinitro-2-methylphenol	III. Benzo(a)pyrene	BBBB. Benzo(a)fluoranthene
E. 1,4-Dichlorobenzene	X. Hexachlorocyclopentadiene	QQ. N-Nitrosodiphenylamine	JJJ. Indeno(1,2,3-cd)pyrene	CCCC. Benzo(b)fluorene
F. 1,2-Dichlorobenzene	Y. 2,4,6-Trichlorophenol	RR. 4-Bromophenyl-phenylether	KKK. Dibenz(a,h)anthracene	DDDD. cis/trans-Decalin
G. 2-Methylphenol	Z. 2,4,5-Trichlorophenol	SS. Hexachlorobenzene	LLL. Benzo(g,h,i)perylene	EEEE. Biphenyl
H. 2,2'-Oxybis(1-chloropropane)	AA. 2-Chloronaphthalene	TT. Pentachlorophenol	MMM. Bis(2-Chloroisopropyl)ether	FFFF. Retene
I. 4-Methylphenol	BB. 2-Nitroaniline	UU. Phenanthrene	NNN. Aniline	GGGG. C30-Hopane
J. N-Nitroso-di-n-propylamine	CC. Dimethylphthalate	VV. Anthracene	OOO. N-Nitrosodimethylamine	HHHH. 1-Methylphenanthrene
K. Hexachloroethane	DD. Acenaphthylene	WW. Carbazole	PPP. Benzoic Acid	IIII. 1,4-Dioxane
L. Nitrobenzene	EE. 2,6-Dinitrotoluene	XX. Di-n-butylphthalate	QQQ. Benzyl alcohol	JJJJ. Acetophenone
M. Isophorone	FF. 3-Nitroaniline	YY. Fluoranthene	RRR. Pyridine	KKKK. Atrazine
N. 2-Nitrophenol	GG. Acenaphthene	ZZ. Pyrene	SSS. Benzidine	LLLL. Benzaldehyde
O. 2,4-Dimethylphenol	HH. 2,4-Dinitrophenol	AAA. Butylbenzylphthalate	TTT. 1-Methylnaphthalene	MMMM. Caprolactam
P. Bis(2-chloroethoxy)methane	II. 4-Nitrophenol	BBB. 3,3'-Dichlorobenzidine	UUU. Benzo(b)thiophene	NNNN.
Q. 2,4-Dichlorophenol	JJ. Dibenzofuran	CCC. Benzo(a)anthracene	VVV. Benzonaphthothiophene	OOOO.
R. 1,2,4-Trichlorobenzene	KK. 2,4-Dinitrotoluene	DDD. Chrysene	WWW. Benzo(e)pyrene	PPPP.
S. Naphthalene	LL. Diethylphthalate	EEE. Bis(2-ethylhexyl)phthalate	XXX. 2,6-Dimethylnaphthalene	QQQQ.

LDC #: 31445A2a

VALIDATION FINDINGS WORKSHEET Continuing Calibration

Page: 1 of 2

Reviewer: JVG

2nd Reviewer: 02

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A

Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

Y N N/A

Were percent differences (%D) $\leq 20\%$ and relative response factors (RRF) within the method criteria?

#	Date	Standard ID	Compound	Finding %D (Limit: $\leq 20.0\%$)	Finding RRF (Limit)	Associated Samples	Qualifications
	2/25/14	V 8201	X	21.3		MB 480-167265/1-A (ND)	J/US/A
		V 8202	LLLL	90.4			J/R/A
	2/26/14	V 8260	X	22.1		21, 24 (ND)	J/US/A
		V 8261	LLL	102.4			J/R/A
	2/26/14	V 8281	II	29.2		22 (ND)	J/US/A
		V 8282	LLLL	90.9			J/R/A
	2/27/14	V 8302	X	30.0		25, 26, MB 480-167424/1-A (ND)	J/US/A
			II	21.2			
		V 8305	LLLL	91.1			J/R/A
	2/28/14	V 8377	LLLL	87.7		9 (ND)	J/US/A
	2/25/14	X00 87928	X	20.7		4, 13, MB 480-167264/1-A (ND)	J/US/A
			II	22.4			
			AAA	20.2			
		X00 87929	LLLL	98.5			J/R/A

LDC #: 3/445 A2a

VALIDATION FINDINGS WORKSHEET

Continuing Calibration

Page: 2 of 2

Reviewer: JVG

2nd Reviewer: CP

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A

Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

Y N N/A

Were percent differences (%D) ≤ 20 % and relative response factors (RRF) within the method criteria?

[illegible]

LDC #: 31445A2a

VALIDATION FINDINGS WORKSHEET

Field BlanksPage: 1 of 1Reviewer: JVG2nd Reviewer: ce

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Y / N / N/A Were field blanks identified in this SDG?Y / N / N/A Were target compounds detected in the field blanks?Blank units: ug/L Associated sample units: ug/kgSampling date: 2/20/14Field blank type: (circle one) Field Blank / Rinsate / Other: _____ Associated Samples: All S (M)

Compound	Blank ID	Sample Identification							
	<u>14</u>	<u>Action level</u>							
<u>XX</u>	<u>0.52</u>	<u>< RL</u>							

Blank units: _____ Associated sample units: _____

Sampling date: _____

Field blank type: (circle one) Field Blank / Rinsate / Other: _____ Associated Samples: _____

Compound	Blank ID	Sample Identification							

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

Common contaminants such as the phthalates and TICs noted above that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

LDC #: 31445 A2a

VALIDATION FINDINGS WORKSHEET

Matrix Spike/Matrix Spike Duplicates

Page: 1 of 1

Reviewer: JVG

2nd Reviewer: 07

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.

Was a MS/MSD analyzed every 20 samples of each matrix?

Y N N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

[illegible]

LDC #: 31445 A2a

VALIDATION FINDINGS WORKSHEET

Page: 1 of 1

Reviewer: JVG

2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were all internal standard area counts within -50 to +100 of the associated calibration standard?

Y) N N/A Were the retention times of the internal standards within +/- 30 seconds of the retention times of the associated calibration standard?

[illegible]

* QC limits are advisory

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

CRY = good BBB - FFF

PRY = gual GGG-LL

VALIDATION FINDINGS WORKSHEET **Field Duplicates**

Method: SVOA (EPA SW 846 Method 8270D)

Analyte	Concentration (µg/Kg)		RPD (≤100%)	Diff.	Diff Limits (2xRL)	Qualifiers (Parents Only)
	4	10				
W	16	290		274	(≤3800)	
GG	23	180		157	(≤3800)	
DD	42	1900U		1858	(≤3800)	
VV	93	270		177	(≤3800)	
CCC	410	580		170	(≤3800)	
III	360	610		250	(≤3800)	
GGG	420	730		310	(≤3800)	
LLL	300	820		520	(≤3800)	
HHH	400	320		80	(≤3800)	
EEE	87	1900U		1813	(≤3800)	
WW	23	1900U		1877	(≤3800)	
DDD	440	640		200	(≤3800)	
KKK	54	1900U		1846	(≤3800)	
JJ	17	110		93	(≤3800)	
YY	540	860		320	(≤3800)	
NN	28	140		112	(≤3800)	
JJJ	350	1900U		1550	(≤3800)	
S	190U	160		30	(≤380)	
UU	360	880		520	(≤3800)	
ZZ	840	1100		260	(≤3800)	

LDC #: 31445A2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 3
Reviewer: JVG
2nd Reviewer: OR

METHOD: GC/MS SVOA (EPA SW 846 Method 8270D)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$$RRF = (A_x)(C_{is}) / (A_{is})(C_x)$$

average RRF = sum of the RRFs/number of standards

$$\%RSD = 100 * (S/X)$$

 A_x = Area of Compound C_x = Concentration of compound,

S= Standard deviation of the RRFs,

 A_{is} = Area of associated internal standard C_{is} = Concentration of internal standard

X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (IS)	Reported RRF (RRF50 std)	Recalculated RRF (RRF50 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL HP5973X	2/5/2014	Phenol (IS1)	1.8505	1.8505	1.8320	1.8320	4.5	4.5
			Nitrobenzene (IS2)	0.3624	0.3624	0.3576	0.3576	5.2	5.2
			2,4,5-TCP (IS3)	0.3789	0.3789	0.3765	0.3765	2.2	2.2
			Hexachlorobenzene (IS4)	0.2314	0.2314	0.2332	0.2332	5.4	5.4
			Bis(2-ethex)phthalate (IS5)	0.8717	0.8717	0.8967	0.8967	3.0	3.0
			Benzo(a)pyrene (IS6)	1.0636	1.0636	1.0592	1.0591	0.5	0.5

LDC #: 3144582a**VALIDATION FINDINGS WORKSHEET**
Initial Calibration Calculation VerificationPage: 2 of 3
Reviewer: JVG
2nd Reviewer: CR

METHOD: GC/MS SVOA (EPA SW 846 Method 8270D)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$$\text{RRF} = (A_x)(C_{is}) / (A_{is})(C_x)$$

average RRF = sum of the RRFs/number of standards

$$\% \text{RSD} = 100 * (S/X)$$

 A_x = Area of Compound C_x = Concentration of compound, S = Standard deviation of the RRFs, A_{is} = Area of associated internal standard C_{is} = Concentration of internal standard X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (IS)	Reported RRF (RRF50 std)	Recalculated RRF (RRF50 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL HP5973V	2/14/2014	Phenol (IS1)	1.6883	1.6883	1.7723	1.7723	3.5	3.5
			Nitrobenzene (IS2)	0.3429	0.3429	0.3533	0.3533	3.0	3.0
			2,4,5-TCP (IS3)	0.4000	0.4000	0.4081	0.4081	5.4	5.4
			Hexachlorobenzene (IS4)	0.2620	0.2620	0.2723	0.2723	4.5	4.5
			Bis(2-ethex)phthalate (IS5)	0.5684	0.5684	0.5880	0.5880	2.3	2.3
			Benzo(a)pyrene (IS6)	0.9996	0.9996	1.0281	1.0281	4.2	4.2

LDC #: 31445A2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 3 of 3
Reviewer: JVG
2nd Reviewer: Or

METHOD: GC/MS SVOA (EPA SW 846 Method 8270D)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$$RRF = (A_x)(C_{is}) / (A_{is})(C_x)$$

average RRF = sum of the RRFs/number of standards

$$\%RSD = 100 * (S/X)$$

 A_x = Area of Compound C_x = Concentration of compound,

S= Standard deviation of the RRFs,

 A_{is} = Area of associated internal standard C_{is} = Concentration of internal standard

X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (IS)	Reported RRF (RRF50 std)	Recalculated RRF (RRF50 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL HP5973V	2/28/2014	Phenol (IS1)	1.8864	1.8864	1.7700	1.7701	4.2	4.2
			Nitrobenzene (IS2)	0.3869	0.3869	0.3657	0.3657	4.9	4.9
			2,4,5-TCP (IS3)	0.4426	0.4426	0.4120	0.4120	3.7	3.7
			Hexachlorobenzene (IS4)	0.3029	0.3029	0.2884	0.2884	3.5	3.5
			Bis(2-ethex)phthalate (IS5)	0.6154	0.6154	0.6040	0.6040	2.6	2.6
			Benzo(a)pyrene (IS6)	1.1359	1.1359	1.0593	1.0593	4.2	4.7

VALIDATION FINDINGS WORKSHEET **Continuing Calibration Results Verification**

METHOD: GC/MS SVOA (EPA SW 846 Method 8270D)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = $100 * (\text{ave. RRF} - \text{RRF}) / \text{ave. RRF}$

$\text{RRF} = (\text{Ax})(\text{Cis}) / (\text{Ais})(\text{Cx})$

Where:

ave. RRF = initial calibration average RRF

RRF = continuing calibration RRF

Ax = Area of compound

Cx = Concentration of compound

Ais = Area of associated internal standard

Cis = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (IS)	Average RRF (Initial RRF)	Reported (CC RRF)	Recalculated (CC RRF)	Reported %D	Recalculated %D
1	V8201	02/25/14	Phenol (IS1)	1.7723	1.6559	1.6559	6.6	6.6
			Nitrobenzene (IS2)	0.3533	0.3461	0.3461	2.0	2.0
			2,4,5-TCP (IS3)	0.4081	0.4089	0.4089	0.2	0.2
			Hexachlorobenzene (IS4)	0.2723	0.2765	0.2765	1.5	1.5
			Bis(2-ethex)phthalate (IS5)	0.5880	0.5846	0.5846	0.6	0.6
			Benzo(a)pyrene (IS6)	1.0281	1.0332	1.0332	0.5	0.5
2	V8260	02/26/14	Phenol (IS1)	1.7723	1.9003	1.9003	7.2	7.2
			Nitrobenzene (IS2)	0.3533	0.3929	0.3929	11.2	11.2
			2,4,5-TCP (IS3)	0.4081	0.4495	0.4495	10.1	10.1
			Hexachlorobenzene (IS4)	0.2723	0.2991	0.2991	9.8	9.8
			Bis(2-ethex)phthalate (IS5)	0.5880	0.6408	0.6408	9.0	9.0
			Benzo(a)pyrene (IS6)	1.0281	1.1328	1.1328	10.2	10.2
3	V8281	02/26/14	Phenol (IS1)	1.7723	1.8416	1.8416	3.9	3.9
			Nitrobenzene (IS2)	0.3533	0.3978	0.3978	12.6	12.6
			2,4,5-TCP (IS3)	0.4081	0.4567	0.4567	11.9	11.9
			Hexachlorobenzene (IS4)	0.2723	0.3018	0.3018	10.8	10.8
			Bis(2-ethex)phthalate (IS5)	0.5880	0.6359	0.6359	8.1	8.1
			Benzo(a)pyrene (IS6)	1.0281	1.1326	1.1326	10.2	10.2
4	V8302	02/27/14	Phenol (IS1)	1.7723	1.8691	1.8691	5.5	5.5
			Nitrobenzene (IS2)	0.3533	0.3879	0.3879	9.8	9.8
			2,4,5-TCP (IS3)	0.4081	0.4581	0.4581	12.3	12.3
			Hexachlorobenzene (IS4)	0.2723	0.3024	0.3024	11.0	11.0
			Bis(2-ethex)phthalate (IS5)	0.5880	0.6330	0.6330	7.7	7.7
			Benzo(a)pyrene (IS6)	1.0281	1.1242	1.1242	9.3	9.3

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

METHOD: GC/MS SVOA (EPA SW 846 Method 8270D)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = $100 * (\text{ave. RRF} - \text{RRF}) / \text{ave. RRF}$

$\text{RRF} = (\text{Ax})(\text{Cis}) / (\text{Ais})(\text{Cx})$

Where:

ave. RRF = initial calibration average RRF

RRF = continuing calibration RRF

Ax = Area of compound

Cx = Concentration of compound

Ais = Area of associated internal standard

Cis = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (IS)	Average RRF (Initial RRF)	Reported (CC RRF)	Recalculated (CC RRF)	Reported %D	Recalculated %D
5	X0087928	02/25/14	Phenol (IS1)	1.8320	1.9709	1.9709	7.6	7.6
			Nitrobenzene (IS2)	0.3576	0.3918	0.3918	9.6	9.6
			2,4,5-TCP (IS3)	0.3765	0.4000	0.4000	6.2	6.2
			Hexachlorobenzene (IS4)	0.2332	0.2572	0.2572	10.3	10.3
			Bis(2-ethex)phthalate (IS5)	0.8967	1.0174	1.0174	13.5	13.5
			Benzo(a)pyrene (IS6)	1.0592	1.1759	1.1759	11.0	11.0
6	X0087958	02/26/14	Phenol (IS1)	1.8320	1.9006	1.9006	3.7	3.7
			Nitrobenzene (IS2)	0.3576	0.4027	0.4027	12.6	12.6
			2,4,5-TCP (IS3)	0.3765	0.4028	0.4028	7.0	7.0
			Hexachlorobenzene (IS4)	0.2332	0.2627	0.2627	12.6	12.6
			Bis(2-ethex)phthalate (IS5)	0.8967	1.0419	1.0419	16.2	16.2
			Benzo(a)pyrene (IS6)	1.0592	1.1518	1.1518	8.8	8.8
7	V8376	02/28/14	Phenol (IS1)	1.7700	1.8789	1.8789	6.2	6.2
			Nitrobenzene (IS2)	0.3657	0.3839	0.3839	5.0	5.0
			2,4,5-TCP (IS3)	0.4120	0.4511	0.4511	9.5	9.5
			Hexachlorobenzene (IS4)	0.2884	0.3050	0.3050	5.7	5.7
			Bis(2-ethex)phthalate (IS5)	0.6040	0.6322	0.6322	4.7	4.7
			Benzo(a)pyrene (IS6)	1.0593	1.1137	1.1137	5.1	5.1

LDC #: 31445 A2a**VALIDATION FINDINGS WORKSHEET**
Surrogate Results VerificationPage: 1 of 1Reviewer: JVG2nd reviewer: an**METHOD:** GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate SpikedSample ID: 4

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5	50.0	37.7	75	75	0
2-Fluorobiphenyl		36.9	74	74	
Terphenyl-d14		41.1	82	82	
Phenol-d5		35.3	71	71	
2-Fluorophenol		32.5	65	65	
2,4,6-Tribromophenol		36.1	72	72	
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

LDC #: 31445 A2a

VALIDATION FINDINGS WORKSHEET **Matrix Spike/Matrix Spike Duplicates Results Verification**

Page: 1 of 1
 Reviewer: JVG
 2nd Reviewer: 02

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = $100 * (SSC - SC) / SA$

Where: SSC = Spiked sample concentration
 SA = Spike added

SC = Sample concentration

RPD = $|MSC - MSC1| * 2 / (MSC + MSC1)$

MSC = Matrix spike concentration

MSDC = Matrix spike duplicate concentration

MS/MSD samples: # 30/31

Compound	Spike Added (ug/kg)		Sample Concentration (ug/kg)	Spiked Sample Concentration (ug/kg)		Matrix Spike		Matrix Spike Duplicate		MS/MSD	
	MS	MSD		MS	MSD	Percent Recovery		Percent Recovery		RPD	
						Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Phenol	3610	3560	0	2920 3610	2820	292 ⁸¹ 81	81	79	79	3	3
N-Nitroso-di-n-propylamine				3390	3370	94	94	95	95	1	1
4-Chloro-3-methylphenol				3730	3640	103	103	102	102	2	2
Acenaphthene			15	3370	3370	93	93	93	93	2	2
Pentachlorophenol	7210	7110	0	6270	6170	87	87	87	87	2	2
Pyrene	3610	3560	550	5406	4910	135	135	123	123	10	10

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31445 A2a

VALIDATION FINDINGS WORKSHEET

Page: 1 of 1**Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification**Reviewer: JVG2nd Reviewer: Q**METHOD:** GC/MS BNA (EPA SW 846 Method 8270D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = $100 * (SC/SA)$

Where: SSC = Spike concentration

SA = Spike added

RPD = $|LCSC - LCSDC| * 2 / (LCSC + LCSDC)$

LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: LCS 480-167265/2-A

Compound	Spike Added (ug/kg)		Spike Concentration (ug/kg)		LCS		LCSD		LCS/LCSD	
					Percent Recovery		Percent Recovery		RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
Phenol	3270	NA	3470	NA	75	75				
N-Nitroso-di-n-propylamine			2620		80	80				
4-Chloro-3-methylphenol			2980		91	91				
Acenaphthene			2770		85	85				
Pentachlorophenol	6570		5440		83	83				
Pyrene	3270	1	2810	1	86	86				

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31445A 2a

VALIDATION FINDINGS WORKSHEET

Page: 1 of 1

Reviewer: JVG

2nd reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Y	N	N/A
Y	N	N/A

Were all reported results recalculated and verified for all level IV samples?

Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

$$\text{Concentration} = \frac{(A_s)(I_s)(V_i)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

V_o = Volume or weight of sample extract in milliliters (ml) or grams (g).

V_i = Volume of extract injected in microliters (ul)

V_t = Volume of the concentrated extract in microliters (ul)

Df = Dilution Factor.

%S = Percent solids, applicable to soil and solid matrices only.

2.0 = Factor of 2 to account for GPC cleanup

Example:

Sample I.D. 16, benzo(a)pyrene

$$\text{Conc.} = \frac{(105669) \times (10) \times (1000)}{(137186) \times (1.0592) \times (20.432) \times (0.903)}$$

$$= 10585.96$$

$\approx 11\,000\text{ ug/kg}$

[illegible]

YES NO N/A

- E - The concentration of this analyte exceeds the calibration range of the instrument.
- A - Indicates a Tentatively Identified Compound (TIC) is a suspected adol-condensation product.
- X,Y,Z- Laboratory defined flags. The data reviewer must change these qualifiers during validation so that the data user may understand their impact on the data.

I.

PACKAGE COMPLETENESS AND DELIVERABLES

CASE NUMBER: SDG #: 31445A / 48-55087-1 LAB: Test America Buffalo

SITE NAME: Glen Island

1.0 Data Completeness and Deliverables

- 1.1 Has all data been submitted in CLP deliverable format?

☒

ACTION: If not, note the effect on review of the data in the data assessment narrative.

2.0 Cover Letter, SDG Narrative

- 2.1 Is a laboratory narrative or cover letter present?

☒

- 2.2 Are case number and SDG number(s) contained in the narrative or cover letter?

☒

YES NO N/A

II.

SEMIVOLATILE ANALYSES

1.0 Traffic Reports and Laboratory Narrative

1.1 Are the Traffic Report Forms present for all samples?

1/1 — —

ACTION: If no, contact lab for replacement of missing or illegible copies.

1.2 Do the Traffic Reports or Lab Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special notations affecting the quality of the data?

— 1/1 —

ACTION: If any sample analyzed as a soil, other than TCLP, contains 50%-90% water, all data should be flagged as estimated ("J"). If a soil sample, other than TCLP, contains more than 90% water, all non-detects data are qualified as unusable (R), and detects are flagged "J".

ACTION: If samples were not iced, or if the ice was melted upon arrival at the laboratory and the cooler temperature was elevated (10°C), flag all positive results "J" and all non-detects "UJ".

2.0 Holding Times

2.1 Have any semivolatile technical holding times, determined from date of collection to date of extraction, been exceeded?

— 1/1 —

Continuous extraction of water samples for semivolatile analysis must be started within 7 days of the date of collection. Soil/sediment samples must be extracted within 14 days of collection. Extracts must be analyzed within

YES NO N/A

40 days of the date of extraction.

Table of Holding Time Violations

(See Traffic Report)

Sample ID	Sample Matrix	Date Sampled	Date Lab Received	Date Extracted	Date Analyzed
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

ACTION: If technical holding times are exceeded, flag all positive results as estimated ("J") and sample quantitation limits as estimated ("UJ"), and document in the narrative that holding times were exceeded.

If analyses were done more than 14 days beyond holding time, either on the first analysis or upon re analysis, the reviewer must use professional judgement to determine the reliability of the data and the effects of additional storage on the sample results. At a minimum, all results should be qualified "J", but the reviewer may determine that non-detect data are unusable ("R"). If holding times are exceeded by more than 28 days, all non-detect data are unusable (R).

YES NO N/A

3.0 Surrogate Recovery (Form II/Equivalent)

3.1 Have the semi volatile surrogate recoveries been listed on CLP Surrogate Recovery forms (Form II) for each of the following matrices:

a. Low Water

☒ ☐ ☐

b. Low/Med Soil

☒ ☐ ☐

3.2 If so, are all the samples listed on the appropriate Surrogate Recovery Summary forms for each matrix:

a. Low Water

☒ ☐ ☐

b. Low/Med Soil

☒ ☐ ☐

ACTION: If CLP deliverables are unavailable, document the effect(s) in data assessments. In some cases the lab may have to be contacted to obtain the data necessary to complete the validation.

3.3 Were outliers marked correctly with an asterisk? ☐ ☐ ☒

ACTION: Circle all outliers in red.

3.4 Were two or more base neutral OR acid surrogate recoveries out of specification for any sample or method blank (Reviewer should use lab in house recovery limits. Use surrogate recovery limits from USEPA National Functional Guidelines January 2005 page 130, if in house limits are not available. See Method 8000B-43 or 8000C-24).

☐ ☒ ☐

Note: Examine lab in house limits for reasonableness.

If yes, were samples re-analyzed?

☐ ☐ ☒

YES NO N/A

Were method blanks re-analyzed?

1 1 1

ACTION: If all surrogate recoveries are > 10% but two within the base-neutral or acid fraction do not meet method specifications, for the affected fraction only (i.e. either base-neutral or acid compounds):

1. Flag all positive results as estimated ("J").
2. Flag all non-detects as estimated detection limits ("UJ") when recoveries are less than the lower acceptance limit.
3. If recoveries are greater than the upper acceptance limit, do not qualify non-detects.

If any base-neutral or acid surrogate has a recovery of < 10%:

1. Positive results for the fraction with < 10% surrogate recovery are qualified with "J".
2. Non-detects for that fraction should be qualified as unusable (R) .

NOTE: Professional judgement should be used to qualify data that have method blank surrogate recoveries out of specification in both original and reanalyses. Check the internal standard areas.

3.5 Are there any transcription/calculation errors between raw data and Form II?

1 1 1

ACTION: If large errors exist, call lab for explanation/resubmittal, make any necessary corrections and document

YES NO N/A

effect in data assessments.

4.0 Matrix Spikes (Form III/Equivalent)

- 4.1 Have the semivolatile Matrix Spike and Matrix Spike Duplicate/or duplicate unspiked Sample recoveries been listed on the Recovery Form (Form III)?

☒ ☐ ☐

NOTE: Method 3500B/page 4 states the spiking compounds:

Base/neutrals

1,2,4-Trichlorobenzene
Acenaphthene
2,4-Dinitrotoluene
Pyrene
N-Nitroso-di-n-propylamine
1,4-Dichlorobenzene

Acids

Pentachlorophenol
Phenol
2-Chlorophenol
4-Chloro-3-methylphenol
4-Nitrophenol

Note: Some projects may require the spiking of specific compounds of interest.

Note: See Method 8270D-sec 8.4.2 for deciding on whether to prepare and analyze duplicate samples or a matrix spike/matrix spike duplicate. If samples are expected to contain target analytes, then laboratory may use one matrix spike and a duplicate analysis of an unspiked field sample. If samples are not expected to contain target analytes, laboratory should use a matrix spike and matrix spike duplicate pair.

- 4.2 Were matrix spikes analyzed at the required frequency for each of the following matrices:

- a. Low Water
b. Low Solid
c. Med Solid

☒ ☐ ☐
☒ ☐ ☐
☒ ☐ ☐

YES NO N/A

ACTION: If any matrix spike data are missing, take the action specified in 3.2 above. It may be necessary to contact the lab to obtain the required data.

NOTE: If the data has not been reported on CLP equivalent form, then the laboratory must provide the information necessary to evaluate the spike recoveries in the MS and MSD. The required data which should have been provided by the lab include the analytes and concentrations used for spiking, background concentrations of the spiked analytes (i.e., concentrations in unspiked sample), methods and equations used to calculate the QC acceptance criteria for the spiked analytes, percent recovery data for all spiked analytes.

The data reviewer must verify that all reported equations and percent recoveries are correct before proceeding to the next section.

- 4.3 Were matrix spikes performed at concentration equal to 100ug/L for acid compounds, and 200ug/l for base compounds (Method 3500B-4), or those specified in project plan.

1 / 1

- 4.4 How many semivolatile spike recoveries are outside Laboratory in house MS/MSD recovery limits (use recovery limits values in Method 8270D-43&44 Table 6 if in house values not available).

Water

Solids

NA
____ out of ____

20/21 1 out of 26

YES NO N/A

4.5 How many RPD's for matrix spike and matrix spike duplicate recoveries are outside QC limits?

Water

Solids

NA out of

0 out of 13

ACTION: Circle all outliers with red pencil.

ACTION: No action is taken on MS/MSD data alone.
However, using informed professional judgement, the data reviewer may use the matrix spike and matrix spike duplicate results in conjunction with other QC criteria to determine the need for some qualification of the data.

4.6 Was a Laboratory Control Sample (LCS) analyzed with each analytical batch? 11

NOTE: When the results of the matrix spike analysis indicate a potential problem due to the sample matrix itself, the LCS results are used to verify that the laboratory can perform the analysis in a clean matrix.

5.0 Blanks (Form IV/Equivalent)

5.1 Is the Method Blank Summary (Form IV) present? 11

5.2 Frequency of Analysis:

Has a reagent/method blank analysis been reported per 20 samples of similar matrix, or concentration level, and for each extraction batch?

11

5.3 Has a method blank been analyzed either after

YES NO N/A

the calibration standard or at any other time
during the analytical shift for each GC/MS system
used ?

☒ ☐ ☐

ACTION: If any method blank data are missing, call
lab for explanation/resubmittal. If not
available, use professional judgement to
determine if the associated sample data
should be qualified.

- 5.4 Chromatography: review the blank raw data -
chromatograms (RICs), quant reports or data system
printouts and spectra.

Is the chromatographic performance (baseline
stability) for each instrument acceptable for
the semivolatiles?

☒ ☐ ☐

ACTION: Use professional judgement to determine the
effect on the data.

6.0 Contamination

NOTE: "Water blanks", "drill blanks" and "distilled
water blanks" are validated like any other
sample and are not used to qualify the data.
Do not confuse them with the other QC blanks
discussed below.

- 6.1 Do any method/instrument/reagent blanks have
positive results for target analytes and/or TICs?
When applied as described below, the contaminant
concentration in these blanks are multiplied by
the sample dilution factor and corrected for
percent moisture where necessary.

☐ ☒ ☐

- 6.2 Do any field/rinse/ blanks have positive results
for target analytes and/or TICs (if required,
see section 10 below)?

☒ ☐ ☐

YES NO N/A

ACTION: Prepare a list of the samples associated
with each of the contaminated blanks.
(Attach a separate sheet.)

NOTE: All field blank results associated to a
particular group of samples (may exceed one
per case) must be used to qualify data.
Blanks may not be qualified because of
contamination in another blank. Field Blanks
must be qualified for outlying surrogates,
poor spectra, instrument performance or
calibration QC problems.

ACTION: Follow the directions in the table below to
qualify sample results due to contamination.
Use the largest value from all the associated
blanks. If gross contamination exists, all
data in the associated samples should be
qualified as unusable (R).

YES NO N/A

Blank Action for Semivolatile Analyses

Blank Type	Blank Result	Sample Result	Action for Samples
Method, Field	Detects	Not detected	No qualification required
	< CRQL *	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification required
	= CRQL *	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification required
	> CRQL *	< CRQL	Report CRQL value with a U
		≥ CRQL and < blank contamination	Report concentration of sample with a U
		≥ CRQL and ≥ blank contamination	No qualification required

NOTE: Analytes qualified "U" for blank contamination are still considered as "hits" when qualifying for calibration criteria.

NOTE: If the laboratory did not report TIC analyses, check the project plans to verify whether or not it was required.

6.3 Are there field/rinse/equipment blanks associated with every sample? ☒ — —

ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

6.4 Was a instrument blank analyzed after each sample/dilution which contained a target compound

YES NO N/A

that exceeded the initial calibration range.

11 / —

6.5 Does the instrument blank have positive results for target analytes and/or TICs?

— 11 /

Note: Use professional judgement to determine if carryover occurred and qualify analytes accordingly.

7.0 GC/MS Apparatus and Materials

7.1 Did the lab use the proper gas chromatographic column for analysis of semivolatiles by Method 8270D? Check raw data, instrument logs or contact the lab to determine what type of column was used. The method requires the use of 30 m x 0.25 mm ID (or 0.32 mm ID), silicone-coated, fused silica, capillary column.

11 / —

ACTION: If the specified column, or equivalent, was not used, document the effects in the data assessment. Use professional judgement to determine the acceptability of the data.

8.0 GC/MS Instrument Performance Check (Form V/Equivalent)

8.1 Are the GC/MS Instrument Performance Check Forms (Form V) present for decafluorotriphenylphosphine (DFTPP)?

11 / —

NOTE: The performance solution should also contain 4,4-DDT, pentachlorophenol, and benzidine to verify injection port inertness and column performance. The degradation of DDT to DDE and DDD must be less than 20% total and the response of pentachlorophenol and benzidine should be within normal ranges for these compounds (based upon lab experience) and show no peak degradation or tailing before samples are analyzed. (see section 5.5

YES NO N/A

page 8270D-12).

8.2 Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the DFTPP provided for each twelve hour shift?

☒ — —

8.3 Has an instrument performance check solution been analyzed for every twelve hours of sample analysis per instrument?

☒ — —

ACTION: List date, time, instrument ID, and sample analyses for which no associated GC/MS tuning data are available.

DATE	TIME	INSTRUMENT	SAMPLE NUMBERS
------	------	------------	----------------

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

ACTION: If lab cannot provide missing data, reject ("R") all data generated outside an acceptable twelve hour calibration interval.

ACTION: If mass assignment is in error, flag all associated sample data as unusable (R).

8.4 Have the ion abundances been normalized to m/z 198?

☒ — —

8.5 Have the ion abundance criteria been met for each instrument used?

☒ — —

ACTION: List all data which do not meet ion abundance criteria (attach a separate sheet).

YES NO N/A

ACTION: If ion abundance criteria are not met, take
action specified in section 3.2

8.6 Are there any transcription/calculation errors
between mass lists and Form Vs? (Check at least
two values but if errors are found, check more.) ☐ ☒ ☐

8.7 Have the appropriate number of significant
figures (two) been reported? ☒ ☐ ☐

ACTION: If large errors exist, call lab for
explanation/resubmittal, make necessary
corrections and document effect in data
assessments.

8.8 Are the spectra of the mass calibration compound
acceptable? ☒ ☐ ☐

ACTION: Use professional judgement to determine
whether associated data should be accepted,
qualified, or rejected.

9.0 Target Analytes

9.1 Are the Organic Analysis Data Sheets (Form I)
present with required header information on each
page, for each of the following:

a. Samples and/or fractions as appropriate ☒ ☐ ☐

b. Matrix spikes and matrix spike duplicates ☒ ☐ ☐

c. Blanks ☒ ☐ ☐

9.2 Has any special cleanup, such as GPC, been
performed on all soil/sediment sample extracts
(see section 7.2, page 8270D-14)? ☐ ☒ ☐

YES NO N/A

ACTION: If data suggests that extract cleanup was not performed, use professional judgement. Make note in the data assessment narrative.

9.3 Are the Reconstructed Ion Chromatograms, mass spectra for the identified compounds, and the data system printouts (Quant Reports) included in the sample package for each of the following?

- | | | | |
|--|-------------------------------------|-----|-----|
| a. Samples and/or fractions as appropriate | <input checked="" type="checkbox"/> | ___ | ___ |
| b. Matrix spikes and matrix spike duplicates (Mass spectra not required) | <input checked="" type="checkbox"/> | ___ | ___ |
| c. Blanks | <input checked="" type="checkbox"/> | ___ | ___ |

ACTION: If any data are missing, take action specified in 3.2 above.

9.4 Are the response factors shown in the Quant Report? ☐ ☒ ___

9.5 Is chromatographic performance acceptable with respect to:

- | | | | |
|---------------------------------|-------------------------------------|-----|-----|
| Baseline stability? | <input checked="" type="checkbox"/> | ___ | ___ |
| Resolution? | <input checked="" type="checkbox"/> | ___ | ___ |
| Peak shape? | <input checked="" type="checkbox"/> | ___ | ___ |
| Full-scale graph (attenuation)? | <input checked="" type="checkbox"/> | ___ | ___ |
| Other: _____ | <input type="checkbox"/> | ___ | ___ |

ACTION: Use professional judgement to determine the acceptability of the data.

9.6 Are the lab-generated standard mass spectra of identified semivolatile compounds present for

	YES	NO	N/A
each sample?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>ACTION: If any mass spectra are missing, take action specified in 3.2 above. If the lab does not generate their own standard spectra, make a note in the data assessment narrative. If spectra are missing, reject all positive data.</p>			
9.7 Is the RRT of each reported compound within 0.06 RRT units of the standard RRT in the continuing calibration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.8 Are all ions present in the standard mass spectrum at a relative intensity greater than 10% (of the most abundant ion) also present in the sample mass spectrum?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.9 Do the relative intensities of the characteristic ions in the sample agree within $\pm 30\%$ of the corresponding relative intensities in the reference spectrum?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>ACTION: Use professional judgement to determine acceptability of data. If it is determined that incorrect identifications were made, all such data should be rejected (R), flagged "N" (Presumptive evidence of the presence of the compound) or changed to not detected (U) at the calculated detection limit. In order to be positively identified, the data must comply with the criteria listed in 9.7, 9.8, and 9.9.</p>			
<p>ACTION: When sample carry-over is a possibility, professional judgement should be used to determine if instrument cross-contamination has affected any positive compound identification.</p>			

YES NO N/A

10.0 Tentatively Identified Compounds (TIC)

10.1 If Tentatively Identified Compounds were required for this project, are all Form Is, Part B present; and do listed TICs include scan number or retention time, estimated concentration and "JN" qualifier?

NOTE: Review sampling reports to determine if the lab was required to identify non target analytes (refer to section 7.6.2, page 8270D-21).

10.2 Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following:

- | | | | |
|--|--------------------------|--------------------------|-------------------------------------|
| a. Samples and/or fractions as appropriate | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b. Blanks | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

ACTION: If any TIC data are missing, take action specified in 3.2 above.

ACTION: Add "JN" qualifier only to analytes identified by CAS #.

10.3 Are any target compounds from one fraction listed as TIC compounds in another (e.g., an acid compound listed as a base neutral TIC)?

☐ ☐ ☒

ACTION: i. Flag with "R" any target compound listed as a TIC.

ii. Make sure all rejected compounds are properly reported in the other fraction.

10.4 Are all ions present in the reference mass spectrum with a relative intensity greater than 10% (of the most abundant ion) also present in the

	YES	NO	N/A
sample mass spectrum?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10.5 Do TIC and "best match" standard relative ion intensities agree within $\pm 20\%$?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ACTION: Use professional judgement to determine acceptability of TIC identifications. If it is determined that an incorrect identification was made, change the identification to "unknown" or to some less specific identification (example: "C3 substituted benzene") as appropriate and remove "JN". Also, when a compound is not found in any blank, but is a suspected artifact of a common laboratory contaminant, the result should be qualified as unusable, "R."

11.0 Compound Quantitation and Reported Detection Limits

11.1 Are there any transcription/calculation errors in Form I results? Check at least two positive values. Verify that the correct internal standard, quantitation ion, and RRF were used to calculate Form I result. Were any errors found?

☐ ☒ ☐

NOTE: Structural isomers with similar mass spectra, but insufficient GC resolution (i.e. percent valley between the two peaks $> 25\%$) should be reported as isomeric pairs. The reviewer should check the raw data to ensure that all such isomers were included in the quantitation (i.e., add the areas of the two coeluting peaks to calculate the total concentration).

11.2 Are the method detection limits adjusted to reflect sample dilutions and, for soils, sample moisture?

☒ ☐ ☐

YES NO N/A

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and document effect in data assessments.

ACTION: When a sample is analyzed at more than one dilution, the lowest detection limits are used (unless a QC exceedance dictates the use of the higher detection limit from the diluted sample data). Replace concentrations that exceed the calibration range in the original analysis by crossing out the "E" and it's associated value on the original Form I (if present) and substituting the data from the analysis of the diluted sample. Specify which Form I is to be used, then draw a red "X" across the entire page of all Form I's that should not be used, including any in the summary package.

12.0 Standards Data (GC/MS)

12.1 Are the Reconstructed Ion Chromatograms, and data system printouts (Quant, Reports) present for initial and continuing calibration? ☒ ☐ ☐

ACTION: If any calibration standard data are missing, take action specified in 3.2 above.

13.0 GC/MS Initial Calibration (Form VI/Equivalent)

13.1 Is the Initial Calibration Form (Form VI/Equivalent) present and complete for the semivolatile fraction? ☒ ☐ ☐

ACTION: If any calibration forms or standard row data are missing, take action specified in 3.2 above.

13.2 Are all base neutral or acid RRFs > 0.050? ☒ ☐ ☐

YES NO N/A

Check the **average RRFs** of the four System Performance Check Compounds (SPCCs): N-nitroso-di-n-propylamine, hexachlorocyclopentadiene, 2,4-dinitrophenol, and 4-nitrophenol. These compounds must have **average RRFs** greater than or equal to 0.05 before running samples and should not show any peak tailing.

ACTION: Circle all outliers in red.

ACTION: For any target analyte with **average RRF** <0.05

1. "R" all non-detects;
2. "J" all positive results.

13.3 Are response factors for base neutral or acid target analytes stable over the concentration range of the calibration (% Relative standard deviation [%RSD] < 20.0%)?

☒ ☐ ☐

NOTE: The % RSD for each individual Calibration Check Compound (CCC, Method 8270D-40 see Table 4) must be less than 30% before analysis can begin. If greater 30%, the lab must clean and recalibrate the instrument.

CALIBRATION CHECK COMPOUNDS

Base/Neutral Fraction	Acid Fraction
Acenaphthene	4-Chloro-3-methylphenol
1,4-Dichlorobenzene	2,4-Dichlorophenol
Hexachlorobutadiene	2-Nitrophenol
Diphenylamine	Phenol
Di-n-octyl phthalate	Pentachlorophenol
Fluoranthene	2,4,6-Trichlorophenol

YES NO N/A

Benzo(a)pyrene

ACTION: If the %RSD for any CCC >30% and no corrective action taken, then "J" qualify all positive hits and "UJ" qualify all non-detects.

ACTION: Circle all outliers in red.

ACTION: If the % RSD is $\geq 20.0\%$, qualify positive results for that analyte "J" and non-detects using professional judgement. When RSD > 90%, flag all non- detect results for that analyte "R," unusable. Alternatively, the lab should calculate first or second order regression fit of the calibration curve and select the fit which introduces the least amount of error.

NOTE: Analytes previously qualified "U" due to blank contamination are still considered as "hits" when qualifying for calibration criteria.

13.4 Did the laboratory calculate the calibration curve by the least squares regression fit?

☒ ☐ ☐

13.5 Are there any transcription/calculation errors in the reporting of average response factors (RRF) or % RSD? (Check at least two values but if errors are found, check more.)

☐ ☒ ☐

ACTION: Circle Errors in red.

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and note errors in data assessments.

13.5 Do the target compounds for this SDG include Pesticides?

☐ ☒ ☐

YES NO N/A

13.6 If the pesticide compounds include DDT, was the percent breakdown of DDT to DDD and DDE greater than 20%?

— 11 /

ACTION: If DDT percent breakdown exceeds 20%:

- i. Qualify all positive results for DDT with "J". If DDT was not detected, but DDD and DDE results are positive, qualify the quantitation limit for DDT as unusable, "R".
- ii. Qualify all positive results for DDD and DDE as presumptively present at an approximate concentration "JN".

14.0 GC/MS Calibration Verification (Form VII/Equivalent)

14.1 Are the Calibration Verification Forms (Form VII) present and complete for all compounds of interest?

11 — —

14.2 Has a calibration verification standard been analyzed for every twelve hours of sample analysis per instrument?

11 — —

ACTION: List below all sample analyses that were not within twelve hours of a calibration verification analysis for each instrument used.

ACTION: If any forms are missing or no calibration verification standard has been analyzed within twelve hours of every sample analysis,

YES NO N/A

call lab for explanation/resubmittal. If continuing calibration data are not available, flag all associated sample data as unusable ("R").

14.3 Do any of the SPCCs have an RRF <0.05?

If YES, make a note in data assessment if the lab did not take corrective action specified in section 7.4.4, page 8270D-18.

14.4 Do any of the CCCs have a %D between the initial and continuing RRF which exceeds 20.0%?

ACTION: If yes, make a note in data assessment.

14.5 Do any semivolatile compounds have a % Difference (% D) between the initial and continuing RRF which exceeds 20.0%?

ACTION: Circle all outliers in red.

ACTION: Qualify both positive results and non-detects for the outlier compound(s) as estimated (J). When %D is above 90%, qualify all non-detects for that analyte as "R", unusable.

14.6 Do any semivolatile compounds have a RRF < 0.05?

ACTION: Circle all outliers in red.

ACTION: If RRF < 0.05, qualify as unusable ("R") associated non-detects and "J" associated positive values.

14.7 Are there any transcription/calculation errors in the reporting of average response factors (RRF) or percent difference (%D) between initial and continuing RRFs? (Check at least two values but if errors are found, check more).

YES NO N/A

ACTION: Circle errors in red.

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and document effect(s) in the data assessments.

15.0 Internal Standards (Form VIII)

15.1 Are the internal standard areas (Form VIII) of every sample and blank within the upper and lower limits (-50% to + 100%) for each continuing calibration?

11 ✓

ACTION: List each outlying internal standard below.

Sample ID	IS #	Area	LowerLimit	Upper Limit
<u>7</u>	<u>CRY</u>	<u>163159</u>	<u>174199</u>	<u>696794</u>
<u>9</u>	<u>PRY</u>	<u>249268</u>	<u>295743</u>	<u>1182970</u>
<u>13</u>	<u>CRY</u>	<u>160699</u>	<u>190277</u>	<u>761106</u>
<u>16</u>	<u>CRY</u>	<u>144748</u>	<u>174199</u>	<u>696794</u>

(Attach additional sheets if necessary.)

Note: Check Table 5, 8270D-41 for associated analytes.

- ACTION:
- i. If the internal standard area count is outside the upper or lower limit, flag with "J" all positive results and non-detects (U values) quantitated with this internal standard.
 - ii. Non-detects associated with IS > 100% should not be qualified.

YES NO N/A

iii. If the IS area is below the lower limit (<50%), qualify all associated non-detects (U-values) "J". If extremely low area counts are reported (<25%) or if performance exhibits a major abrupt drop off, flag all associated non-detects as unusable (R).

15.2 Are the retention times of all internal standards within 30 seconds of the associated calibration standard?

☒ ☐ ☐

ACTION: Professional judgement should be used to qualify data if the retention times differ by more than 30 seconds.

16.0 Laboratory Control Samples (LCS)

16.1 Were any LCS samples run in order to verify analytes which failed criteria for spike recovery?

☒ ☐ ☐

16.2 Did the lab spike LCS sample spiked with the same analytes and the same concentrations as the matrix spike?

☒ ☐ ☐

16.3 Were the mean and standard deviation of all analytes within the QC acceptance ranges as shown in ~~Table 6, 8270D-43?~~ *lab limits?*

☐ ☐ ☐

ACTION: If the recovery of any analyte falls out of the designated range, the analytical results for that compound is suspect and should be qualified "J" in the unspiked samples.

17.0 Field Duplicates

17.1 Were any field duplicates submitted for semivolatile analysis?

☒ ☐ ☐

YES NO N/A

ACTION: Compare the reported results for field duplicates and calculate the relative percent difference.

ACTION: Any gross variation between field duplicate results must be addressed in the reviewer narrative. However, if large differences exist, identification of field duplicates should be confirmed by contacting the sampler.

LDC #: 31445A3a
SDG #: 480-55087-1
Laboratory: Test America, Inc.

VALIDATION COMPLETENESS WORKSHEET

Cat A/Cat B

Date: 3/20/14

Page: 1 of 1

Reviewer: JVB

2nd Reviewer: CL

METHOD: GC Chlorinated Pesticides (EPA SW 846 Method 8081A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/20/14
II.	GC Instrument Performance Check	A	Not reviewed for Cat A review.
III.	Initial calibration	A	Not reviewed for Cat A review. $2 RSD \leq 20\%$ ✓
IV.	Continuing calibration/ICV	SW	Not reviewed for Cat A review. $CCV/ICV \leq 20\%$
V.	Blanks	SW	
VI.	Surrogate spikes	SW	
VII.	Matrix spike/Matrix spike duplicates	SW	
VIII.	Laboratory control samples	A	LCS 16
IX.	Regional quality assurance and quality control	N	
X.	Floril cartridge check	N	
XI.	GPC Calibration	N	
XII.	Target compound identification	A	Not reviewed for Cat A review.
XIII.	Compound quantitation/RL/LOQ/LODs	SW	Not reviewed for Cat A review. $MDL < Results < RL = Jdets/A$
XIV.	Overall assessment of data	A	
XV.	Field duplicates	SW	D = 4, 10
XVI.	Field blanks	SW	FB = 14

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

Soil + Water (1)

1 ⁴	LT-XC-020-02 (100x)	11 ⁴	CC-C-044-0-2 (50x)	21 ³	CC-C-046-0-2 ** (20x)	31 ¹	CC-C-042-8-10MSD
2 ¹	LT-XC-020-4-6	12 ¹	CC-C-044-4-6	22 ³	CC-C-046-4-6 ** (20x)	32 ⁵	CC-C-043-6-8MS
3 ¹	LT-XC-020-6-8	13 ¹	CC-C-044-8-10 **	23 ³	CC-C-046-8-10 (10x)	33 ⁵	CC-C-043-6-8MSD
4 ⁴	CC-C-042-0-2 ** (100x)	14 ⁶	FB027 W	24 ³	CC-C-047-0-2 ** (20x)	34 ³	CC-C-046-0-2MS
5 ⁴	CC-C-042-2-4 ** (50x)	15 ⁴	CC-C-045-0-2 (50x)	25 ³	CC-C-047-2-4 ** (100x)	35 ³	CC-C-046-0-2MSD
6 ¹	CC-C-042-8-10	16 ⁴	CC-C-045-4-6 ** (50x)	26 ³	CC-C-047-8-10 ** (20x)	36 ¹	MB 480-167257/1
7 ⁴	CC-C-043-0-2 ** (100x)	17 ⁴	CC-C-045-8-10 (50x)	27 ³	LT-C-049-0-2 (20x)	37 ²	-167258/
8 ⁴	CC-C-043-2-4 (10x)	18 ¹	LT-C-048-0-2	28 ²	LT-C-049-2-4	38 ³	-167475/
9 ⁵	CC-C-043-6-8 ** (50x)	19 ³	LT-C-048-2-4 (10x)	29 ²	LT-C-049-8-10	39 ⁴	-167476/
10 ⁴	DUP026 (100x)	20 ²	LT-C-048-6-8 **	30 ¹	CC-C-042-8-10MS	40 ⁵	-167623/

- 6 - 167345/

Notes: (Dilutions due to matrix)

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes: _____

LDC #: 31445 A31

VALIDATION FINDINGS WORKSHEET

Page: 1 of 1

Reviewer: JVG

2nd Reviewer: 

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Please see qualifications below for all questions answered "N" Not applicable questions are identified as "N/A".

Y N N/A Were Evaluation mix standards run before initial calibration and before samples?

☒ N N/A Were Endrin & 4,4'-DDT breakdowns acceptable in the Evaluation Mix standard (<15.0% for individual breakdowns)?

☒ N N/A Was at least one standard run daily to verify the working curve?

Y (N) N/A Did the continuing calibration standards meet the percent difference (%D) / relative percent difference (RPD) criteria of <20.0%?

Level IV/D Only

(Y) N N/A Were the retention times for all calibrated compounds within their respective acceptance windows?

[illegible]

- | | | | | | | | | |
|--------------|-----------------------|------------------|-----------------------|--------------------|-----------------|------------------|---------------------|-----------|
| A. alpha-BHC | E. Heptachlor | I. Dieldrin | M. 4,4'-DDD | Q. Endrin ketone | U. Toxaphene | Y. Aroclor-1242 | CC. DB 608 | GG. _____ |
| B. beta-BHC | F. Aldrin | J. 4,4'-DDE | N. Endosulfan sulfate | R. Endrin aldehyde | V. Aroclor-1016 | Z. Aroclor-1248 | DD. DB 1701 | HH. _____ |
| C. delta-BHC | G. Heptachlor epoxide | K. Endrin | O. 4,4'-DDT | S. alpha-Chlordane | W. Aroclor-1221 | AA. Aroclor-1254 | EE. Hexachlobenzene | II. _____ |
| D. gamma-BHC | H. Endosulfan I | L. Endosulfan II | P. Methoxychlor | T. gamma-Chlordane | X. Aroclor-1232 | BB. Aroclor-1260 | FF. _____ | JJ. _____ |

LDC #: 31445 A3A

VALIDATION FINDINGS WORKSHEET **Blanks**

Page: 1 of 1
Reviewer: DG
2nd Reviewer: CR

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were all samples associated with a method blank?
 Y N N/A Was a method blank performed for each matrix and whenever a sample extraction was performed?
 Y N N/A If extract clean-up was performed, were extract clean-up blanks analyzed at the proper frequencies?
 Y N N/A Was there contamination in the method blanks? If yes, please see the qualifications below.

Blank extraction date: 2/25/14 Blank analysis date: 2/25/14 Associated samples: 19, 21-27Conc. units: ug/kg

Compound	Blank ID	Sample Identification							
	MB 480-16747	5/1-A	Action level	27 (20x)					
C	0.524	<RL		9.5/204 <u>OL</u>					

Blank extraction date: 2/26/14 Blank analysis date: 2/26/14 Associated samples: 9Conc. units: ug/kg

Compound	Blank ID	Sample Identification							
	MB 480-167623	1-A	Action level	9 (50x)					
C	0.371	<RL		20/934 <u>OL</u>					

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
 All contaminants within five times the method blank concentration were qualified as not detected, "U".

LDC #: 31445 A3a**VALIDATION FINDINGS WORKSHEET**
Field BlanksPage: 1 of 1
Reviewer: JVB
2nd Reviewer: az**METHOD:** GC Pesticides/PCBs (EPA SW846 Method 8081/8082)Y N N/A Were field blanks identified in this SDG?Y N N/A Were target compounds detected in the field blanks?Blank units: ug/L Associated sample units: ug/kgSampling date: 2/20/14Field blank type: (circle one) Field Blank / Rinsate / Other: _____ Associated Samples: All 5 (MD)

Compound	Blank ID	Sample Identification							
	<u>14</u>	<u>Action level</u>							
<u>A</u>	<u>0.0085</u>	<u><RL</u>							
CRQL									

Blank units: _____ Associated sample units: _____

Sampling date: _____

Field blank type: (circle one) _____ / Rinsate / Other: _____ Associated Samples: _____

Compound	Blank ID	Sample Identification							
CRQL									

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

Samples with compound concentrations within five times the associated field blank concentration are listed above, these sample results were qualified as not detected, "U".

LDC #: 31445 A3a

VALIDATION FINDINGS WORKSHEET **Surrogate Spikes**

Page: 1 of 1
 Reviewer: JVG
 2nd Reviewer: OR

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Please see qualification below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were surrogates spiked into all samples, standards and blanks?
Y N N/A Did all surrogate percent recoveries (%R) meet the QC limits?

#	Sample ID	Column	Surrogate Compound	%R (Limits)	Qualifications
	1	RTX-C18	A	0 (30-124)	No peak (dil)
	4		B	0 (32-136)	
	5			()	
	7			()	
	8			()	
	9			()	
	10			()	
	11			()	
	15			()	
	16			()	
	17			()	
	19			()	
	21			()	
	22			()	
	23			()	
	24			()	
	25			()	
	26			()	
	27			()	
	(DL = 10-100x)			()	

Letter Designation	Surrogate Compound	Recovery QC Limits (Soil)	Recovery QC Limits (Water)	Comments
A	Tetrachloro-m-xylene			
B	Decachlorobiphenyl			

LDC #: 31445 A39

VALIDATION FINDINGS WORKSHEET

Matrix Spike/Matrix Spike Duplicates

Page: _ of _)

Reviewer: NZ

2nd Reviewer: 02

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG?

(Y)N N/A Was a MS/MSD analyzed every 20 samples for each matrix or whenever a sample extraction was performed?

Y (N) N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

[illegible]

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Method: Pesticides (EPA SW 846 Method 8081B)

Analyte	Concentration (µg/Kg)		RPD (≤100%)	Diff.	Diff Limits (2xRL)	Qualifiers (Parents Only)
	4	10				
M	51	49		2	(≤380)	
O	80	80		0	(≤380)	

LDC #: 31445 A39

VALIDATION FINDINGS WORKSHEET

Compound Quantitation and Reported CRQLs

Page: 1 of 1

Reviewer: SV6

2nd Reviewer:

METHOD: / GC HPLC

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Level IV/D Only

Y N N/A

Were CRQLs adjusted for sample dilutions, dry weight factors, etc.?

~~Y~~ ~~N~~ ~~N/A~~

Did the reported results for detected target compounds agree within 10.0% of the recalculated results?

Y N N/A

Did the percent difference of detected compounds between two columns./detectors $\leq 40\%$?

If no, please see findings bellow.

~~<40%~~
25%

[illegible]

Comments: See sample calculation verification worksheet for recalculations

* Interference detected

LDC#: 31445A3a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 6
 Reviewer: JVG
 2nd Reviewer: Q


Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081A)

Calibration Date	Instrument/Column	Compound	Standard	(Y) Response	(X) Concentration
2/6/2014	HP6890-25 RTX-CLP2	g-BHC	1	117593	0.0050
			2	248229	0.0100
			3	1430940	0.0500
			4	2882739	0.1000
			5	4278074	0.1500
2/6/2014	HP6890-25 RTX-CLP2	4,4'-DDT	1	72250	0.0050
			2	155669	0.0100
			3	967128	0.0500
			4	2013799	0.1000
			5	3078302	0.1500

Regression Output		g-BHC		DDT	
		Calculated	Reported WLR	Calculated	Reported WLR
Constant	b =	0.000832	-30608.233	0.002459	-37996.410
Std Err of Y Est					
R Squared	r^2 =	0.999881	1.000000	0.999828	1.000000
Degrees of Freedom					
X Coefficient(s)	m1 =	28813810.8639	28922591.000	20766309.9476	20562317.600
Std Err of Coef.					
Correlation Coefficient		0.999941		0.999914	
COD r2		0.999881		0.999828	

LDC#: 31445A3a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 2 of 6
 Reviewer: JVG
 2nd Reviewer: 


Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081B)

Calibration Date	Instrument/Column	Compound	Standard	(Y) Response	(X) Concentration
2/6/2014	HP6890-25 RTX-CLP1	g-BHC	1	245470	0.0050
			2	522454	0.0100
			3	2965070	0.0500
			4	5907824	0.1000
			5	8630571	0.1500
2/6/2014	HP6890-25 RTX-CLP1	4,4'-DDT	1	148289	0.0050
			2	326138	0.0100
			3	1974708	0.0500
			4	4058115	0.1000
			5	6155582	0.1500

Regression Output		g-BHC		DDT	
		Calculated	Reported WLR	Calculated	Reported WLR
Constant	b =	0.000220	-49614.415	0.001978	-68453.561
Std Err of Y Est					
R Squared	r^2 =	0.999507	1.000000	0.999956	1.000000
Degrees of Freedom					
X Coefficient(s)	m1 =	58179053.2068	58791939.900	41500563.4162	41286031.100
Std Err of Coef.					
Correlation Coefficient		0.999754		0.999978	
COD r2		0.999507		0.999956	

LDC#: 31445A3a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 3 of 6
 Reviewer: JVG
 2nd Reviewer: 

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081A)

Calibration Date	Instrument/Column	Compound	Standard	(Y) Response	(X) Concentration
1/27/2014	HP6890-6 RTX-CLP1	g-BHC	1	402955	0.0050
			2	834751	0.0100
			3	4826300	0.0500
			4	9812775	0.1000
			5	14309366	0.1500
1/27/2014	HP6890-6 RTX-CLP1	4,4'-DDT	1	289212	0.0050
			2	577382	0.0100
			3	3299716	0.0500
			4	6627939	0.1000
			5	9728110	0.1500

Regression Output		g-BHC		DDT	
		Calculated	Reported WLR	Calculated	Reported WLR
Constant	b =	0.000599	-97277.158	0.000386	-50692.861
Std Err of Y Est					
R Squared	r^2 =	0.999527	1.000000	0.999678	1.000000
Degrees of Freedom					
X Coefficient(s)	m1 =	96703692.6702	97373120.000	65530593.1283	65954994.600
Std Err of Coef.					
Correlation Coefficient		0.999763		0.999839	
COD r2		0.999527		0.999678	

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081A)

Calibration Date	Instrument/Column	Compound	Standard	(Y) Response	(X) Concentration
1/27/2014	HP6890-6 RTX-CLP2	g-BHC	1	397852	0.0050
			2	812531	0.0100
			3	4477372	0.0500
			4	9035799	0.1000
			5	13019599	0.1500
1/27/2014	HP6890-6 RTX-CLP2	4,4'-DDT	1	229092	0.0050
			2	493120	0.0100
			3	2995114	0.0500
			4	6213805	0.1000
			5	9379617	0.1500

Regression Output		g-BHC		DDT	
		Calculated	Reported WLR	Calculated	Reported WLR
Constant	b =	-0.000091	-49907.392	0.002013	-104229.050
Std Err of Y Est					
R Squared	r ² =	0.999152	1.000000	0.999938	1.000000
Degrees of Freedom					
X Coefficient(s)	m1 =	87872007.9188	88865682.400	63323186.2565	62958391.200
Std Err of Coef.					
Correlation Coefficient		0.999576		0.999969	
COD r2		0.999152		0.999938	

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081A)

Calibration Date	Instrument/Column	Compound	Standard	(Y) Response	(X) Concentration
1/31/2014	HP6890-5 RTX-CLP1	g-BHC	1	384391	0.0050
			2	769175	0.0100
			3	4238163	0.0500
			4	8648475	0.1000
			5	13126505	0.1500
1/31/2014	HP6890-5 RTX-CLP1	4,4'-DDT	1	489709	0.0050
			2	918323	0.0100
			3	4936564	0.0500
			4	9844810	0.1000
			5	14716256	0.1500

Regression Output		g-BHC		DDT	
		Calculated	Reported WLR	Calculated	Reported WLR
Constant	b =	0.001225	-72536.901	0.000176	-21392.057
Std Err of Y Est					
R Squared	r^2 =	0.999927	1.000000	0.999967	1.000000
Degrees of Freedom					
X Coefficient(s)	m1 =	87947803.5340	87394900.000	98384991.4267	98452769.200
Std Err of Coef.					
Correlation Coefficient		0.999963		0.999983	
COD r2		0.999927		0.999967	

LDC#: 31445A3a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 6 of 6
 Reviewer: JVG
 2nd Reviewer: OL

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081A)

Calibration Date	Instrument/Column	Compound	Standard	(Y) Response	(X) Concentration
1/31/2014	HP6890-5 RTX-CLP2	g-BHC	1	437610	0.0050
			2	877732	0.0100
			3	4830964	0.0500
			4	9755678	0.1000
			5	14562536	0.1500
1/31/2014	HP6890-5 RTX-CLP2	4,4'-DDT	1	268513	0.0050
			2	541760	0.0100
			3	3090030	0.0500
			4	6386329	0.1000
			5	9736990	0.1500

Regression Output		g-BHC		DDT	
		Calculated	Reported WLR	Calculated	Reported WLR
Constant	b =	0.000653	-66105.213	0.001754	-75318.281
Std Err of Y Est					
R Squared	r^2 =	0.999967	1.000000	0.999837	1.000000
Degrees of Freedom					
X Coefficient(s)	m1 =	97722317.4084	97762051.000	65376628.2068	64762582.200
Std Err of Coef.					
Correlation Coefficient		0.999984		0.999918	
COD r2		0.999967		0.999837	

LDC#: 31445A3a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Calculation Verification

Page: 1 of 2
 Reviewer: JVG
 2nd Reviewer: OR

METHOD: GC HPLC

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration percent difference (%D) values were recalculated for the compounds identified below using the following calculation:

Percent difference (%D) = $100 * (N - C) / N$

Where:

N = Initial Calibration Factor or Nominal Amount

C = Calibration Factor from Continuing Calibration Standard or Calculated Amount

#	Standard ID	Calibration Date	Compound	CCV Conc	Reported Conc	Recalculated Conc	Reported % D	Recalculated %D
1	25_69040	2/25/2014	g-BHC CLP1	0.0500	0.0539	0.0539	7.8	7.9
			4,4'-DDT CLP1	0.0500	0.0505	0.0505	1.0	0.9
			g-BHC CLP2	0.0500	0.0494	0.0494	1.2	1.2
			4,4'-DDT CLP2	0.0500	0.0439	0.0439	12.2	12.2
2	25_69053	2/25/2014	g-BHC CLP1	0.0500	0.0535	0.0535	7.0	7.0
			4,4'-DDT CLP1	0.0500	0.0496	0.0496	0.8	0.8
			g-BHC CLP2	0.0500	0.0492	0.0492	1.7	1.7
			4,4'-DDT CLP2	0.0500	0.0464	0.0464	7.3	7.3
3	5_5198	2/25/2014	g-BHC CLP1	0.0500	0.0580	0.0580	16.0	15.9
			4,4'-DDT CLP1	0.0500	0.0457	0.0457	8.6	8.6
			g-BHC CLP2	0.0500	0.0508	0.0508	1.6	1.6
			4,4'-DDT CLP2	0.0500	0.0464	0.0464	7.2	7.2

LDC#: 31445A3a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Calculation Verification

Page: 2 of 2
Reviewer: JVG
2nd Reviewer: Q2

METHOD: GC _____ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration percent difference (%D) values were recalculated for the compounds identified below using the following calculation:

Percent difference (%D) = $100 * (N - C) / N$

Where:

N = Initial Calibration Factor or Nominal Amount

C = Calibration Factor from Continuing Calibration Standard or Calculated Amount

#	Standard ID	Calibration Date	Compound	CCV Conc	Reported Conc	Recalculated Conc	Reported % D	Recalculated %D
4	6_12121	2/25/2014	g-BHC CLP1	0.0500	0.0528	0.0528	5.7	5.7
			4,4'-DDT CLP1	0.0500	0.0517	0.0517	3.4	3.4
			g-BHC CLP2	0.0500	0.0469	0.0469	6.3	6.3
			4,4'-DDT CLP2	0.0500	0.0440	0.0440	5.8 12.1	12.1
5	6_12144	2/26/2014	g-BHC CLP1	0.0500	0.0544	0.0544	8.8	8.8
			4,4'-DDT CLP1	0.0500	0.0494	0.0494	1.2	1.2
			g-BHC CLP2	0.0500	0.0490	0.0490	2.1	2.1
			4,4'-DDT CLP2	0.0500	0.0430	0.0430	14.0	14.0

LDC #: 31445 A32**VALIDATION FINDINGS WORKSHEET**
Surrogate Results VerificationPage: 1 of 1Reviewer: JVG2nd reviewer: an**METHOD:** GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: $SF/SS \times 100$ Where: SF = Surrogate Found
SS = Surrogate SpikedSample ID: # 13

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene	<u>RTX-C42</u>	<u>0.020</u>	<u>0.0161</u>	<u>80</u>	<u>80</u>	<u>9</u>
Decachlorobiphenyl	<u>↓</u>	<u>↓</u>	<u>0.0199</u>	<u>99</u>	<u>99</u>	<u>↓</u>
Decachlorobiphenyl						

Sample ID: _____

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Sample ID: _____

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Sample ID: _____

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Notes: _____

LDC #: _____

VALIDATION FINDINGS WORKSHEET **Matrix Spike/Matrix Spike Duplicates Results Verification**

Page: 1 of 1
 Reviewer: JVG
 2nd Reviewer: C

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

The percent recoveries (%R) and Relative Percent difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = $100 \times (\text{SSC} - \text{SC}) / \text{SA}$

Where: SSC = Spiked sample concentration
 SA = Spike added

SC = Concentration

RPD = $| \text{MS} - \text{MSD} | \times 2 / (\text{MS} + \text{MSD})$

MS = Matrix spike percent recovery

MSD = Matrix spike duplicate percent recovery

MS/MSD samples: 32/35

Compound	Spike Added (ng/kg)		Sample Concentration (ng/kg)	Spiked Sample Concentration (ng/kg)		Matrix Spike		Matrix Spike Duplicate		MS/MSD	
	MS	MSD		MS	MSD	Percent Recovery		Percent Recovery		RPD	
						Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
gamma-BHC	18.9	18.9	0	25.9	23.7	137	137	126	125	9	9
4,4'-DDT	↓	↓	↓	45.9	44.6	243	243	237	236	3	3
Aroclor 1260											

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31445 A3a

VALIDATION FINDINGS WORKSHEET

Page: 1 of 1Laboratory Control Sample/Laboratory Control Sample Duplicate Results VerificationReviewer: JVG2nd Reviewer: 9**METHOD:** GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

The percent recoveries (%R) and Relative Percent difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = $100 * (SSC - SC) / SA$

Where: SSC = Spiked sample concentration
SA = Spike added

SC = Concentration

RPD = $|LCS - LCSD| * 2 / (LCS + LCSD)$

LCS = Laboratory control sample percent recovery

LCSD = Laboratory control sample duplicate percent recovery

LCS/LCSD samples: LCS 480 - 167257 / 2-A

Compound	Spike Added ($\mu\text{g}/\text{kg}$)		Spiked Sample Concentration ($\mu\text{g}/\text{kg}$)		LCS		LCSD		LCS/LCSD	
	LCS	LCSD	LCS	LCSD	Percent Recovery		Percent Recovery		RPD	
					Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
gamma-BHC	16.6	NA	14.0	NA	85	85				
4,4'-DDT	↓	↓	13.6	↓	82	82				
Aroclor 1260										

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 71445 A3a**VALIDATION FINDINGS WORKSHEET**
Sample Calculation VerificationPage: 1 of 1Reviewer: JVG2nd reviewer: an**METHOD:** GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

(Y) N N/A
(Y) N N/A

Were all reported results recalculated and verified for all level IV samples?

Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Example:

(OLP2 HP6896-25)

$$x = \frac{y-b}{m}$$
$$x \text{ Conc.} = \frac{[(6112) - (-37996.410)]}{(20562317.6)}$$

$$x = 0.002145$$

$$\text{final conc.} = \frac{(0.002145)(10 \text{ ml})(100)(1000)}{(30.85)(0.873)}$$
$$= 79.64$$

$$\approx 80 \text{ ug/kg}$$

#	Sample ID	Compound	Reported Concentration (ug/kg)	Calculated Concentration ()	Qualification
			80		

Note: _____

PACKAGE COMPLETENESS AND DELIVERABLES

CASE NUMBER: 31445A3n SDG# 480-55087-1
LAB: Test America Buffalo SITE: Glen Isle

1.0 Data Completeness and Deliverables YES NO N/A

1.1 Has all the data been submitted in CLP deliverable format? ☒ 1 ☐ ☐

1.2 Have any missing deliverables been received and added to the data package? ☒ 1 ☐ ☐

ACTION: Call lab for explanation/resubmittal of any missing deliverables. If lab cannot provide them, note the effect on review of the data in the reviewer narrative.

2.0 Cover Letter; SDG Narrative

2.1 Is a laboratory narrative or cover letter present? ☒ 1 ☐ ☐

2.2 Are the case number and/or SDG number contained in the narrative or cover letter? ☒ 1 ☐ ☐

3.0 Data Validation Checklist

3.1 Does this data package contain:

Water data? ☒ 1 ☐ ☐

Waste data? ☐ 1 ☐ ☒

Soil/solid data? ☒ 1 ☐ ☐

ORGANOCHLORINE PESTICIDE

YES NO N/A

1.0 Traffic Reports and Laboratory Narrative

- 1.1 Are traffic report and chain-of-custody forms present for all samples?

☒ ☐ ☐

ACTION: If no, contact lab for replacement of missing or illegible copies.

- 1.2 Do the traffic reports, chain-of-custody forms or SDG narrative indicate any problems with sample receipt, condition of the samples, analytical problems or special circumstances affecting the quality of the data?

☐ ☒ ☐

ACTION: If any sample analyzed as a soil, other than than TCLP, contains 50%-90% water, all data should be qualified as estimated, "J." If a soil sample, other than TCLP, contains more than 90% water, all non detects are qualified as unusable, "R", and positive results flagged "J".

ACTION: If samples were not iced or if the ice was melted upon arrival at the laboratory and the temperature of the cooler was elevated (> 10° C), flag all positive results "J" and all non-detects "UJ".

2.0 Holding Times

- 2.1 Have any organochlorine pesticide technical holding times, determined from date of collection to date of extraction, been exceeded?

☐ ☒ ☐

Water and waste samples for organochlorine pesticide analysis must be extracted within 7 days of the date of collection. Extracts must be analyzed within 40 days of the date of extraction. Soils and solid samples must be extracted within 14 days of collection and analyzed within 40 days of extraction.

ACTION: Qualify sample results according to Table 1.

Table 1. Holding Time Criteria

Matrix	Preserved	Criteria	Action	
			Detected compounds	Non-detected compounds
Aqueous	No	≤ 7 days(extraction) ≤ 40 days(analysis)	J*	UJ*
	No	> 7 days(extraction) > 40 days(analysis)	J*	UJ
	Yes	≤ 7 days(extraction) ≤ 40 days(analysis)	No qualification	
	Yes	> 7 days(extraction) > 40 days(analysis)	J	UJ
	Yes/No	> 28 days (gross exceedance)	J	R
Non-aqueous	No	≤ 14 days(extraction) ≤ 40 days (analysis)	J*	UJ*
	No	> 14 days(extraction) > 40 days(analysis)	J	UJ
	Yes	≤ 14 days(extraction) ≤ 40 days(analysis)	No qualification	
	Yes	> 14 days(extraction) > 40 days(analysis)	J	UJ
	Yes/No	> 28 days (gross exceedance)	J	R

* only if cooler temperature exceeds 10°C; no action required if cooler temperature < 10°C.

YES NO N/A

3.0 Surrogate Recovery (Form II/Equivalent)

3.1 Were the recoveries of tetrachloro-m-xylene (TCMX) and decachlorobiphenyl (DCB) presented on CLP Surrogate Recovery Summary forms (Form II), or equivalent, for each of the following matrices?

a. Water/Waste

☒ ☐ ☐

b. Soil/Solid

☒ ☐ ☐

3.2 Are all the pesticide samples listed on the appropriate surrogate recovery form for each of the following matrices?

a. Water

☒ ☐ ☐

b. Waste

☐ ☐ ☒

c. Soil/Solid

☒ ☐ ☐

ACTION: Call lab for explanation/resubmittals.
If missing deliverables are unavailable,
document the effect in the data assessment.

3.3 Are all recovery limits for the surrogates TCMX and DCB between 30-150% for all samples, including MS and MSDs, LCSs and all blanks?

☐ ☒ ☐

Note: ☒ Reviewer shall use lab in-house recover limits if available. In-house criteria should be examined for reasonableness.

ACTION: Circle all outliers in red. Follow surrogate action Table 2.

3.5 Were surrogate retention times (RT) within the windows established during the initial 5-point analysis?

☒ ☐ ☐

ACTION: Follow surrogate action, Table 2 below.

YES NO N/A

Table 2. Surrogate Recovery Criteria

Criteria	Action	
	Detected Target Compounds	Non-detected Target Compounds
%R > 200%	J	Use professional judgement
150% < %R ≤ 200%	J	No qualification
30% ≤ %R ≤ 150%	No qualification	
10% ≤ %R < 30%	J	UJ
%R < 10% (sample dilution not a factor)	J	R
%R < 10% (sample dilution is a factor)	Use professional judgement	
RT out of RT window	Use professional judgement	
RT within RT window	No qualification	

3.6 Are there any transcription/calculation errors between raw data and Form II?

11 / — —

ACTION: If large errors exist, call lab for explanation/resubmittal. Make any necessary corrections and document the effect in data assessments.

4.0 Laboratory Control Sample (LCS)

4.1 Is the LCS prepared, extracted, analyzed, and reported once for every 20 field samples.

11 / — —

ACTION: If any Laboratory Control Sample data are missing, call the lab for explanation /resubmittals. Make note in the data assessment.

YES NO N/A

- 4.2 Were Laboratory Control Samples analyzed
at the required concentration for all analytes
of interest as specified in Table 3 below.

☒ ☐ ☐

Note: Use lab in-house criteria, if available.

Table 3. LCS Spiking Criteria

LCS Spike Compound	Spiking solution ug/l	Amount spiked to 100ml aqueous sample or 30g soil sample ml	Recovery Limits (%)
gamma-BHC	0.05	1	50-120
Heptachor epoxide	0.05	1	50-120
Dieldrin	0.01	1	30-130
4,4'-DDE	0.01	1	50-150
Endrin	0.01	1	50-120
Endosulfan sulfate	0.01	1	50-120
gamma-Chloradane	0.05	1	30-130
Tetrachloro-m- xylene (surrogate)	0.20	3	30-150
Decachlorobiphenyl (surrogate)	0.40	3	30-150

Note: The LCS might be spiked with the same analytes at
the same concentration as the matrix spike.

ACTION: If Laboratory Control Samples were not analyzed at
the required concentration or the required
frequency, make note in the data assessment and
use professional judgement to determined the
affect on the data.

- 4.3 Do average recovery for each analyte meet the corresponding
QC acceptance criteria, ~~listed in table above?~~ ☒ ☐ ☐
lab limits?

YES NO N/A

ACTION: For LCS % recovery not meeting the required recovery, follow the required action in Table 4 below.

Table 4. LCS Recovery Criteria

Criteria	Action	
	Detected Associated Compounds	Non-Detected Compounds
%R > Upper Acceptance Limit	J	No qualification
%R < Upper Acceptance Limit	J	R
Lower Acceptance Limit \leq %R \leq Upper Acceptance Limit	No qualifications	

5.0 Matrix Spikes (Form III/Equivalent)

5.1 Are all data for matrix spike and matrix duplicate or matrix spike duplicate (MS/MD or MS/MSD) present and complete for each matrix?

NOTE: For soil and waste samples showing detectable amounts of organics, the lab may substitute replicate samples in place of the matrix spike (see page 8000B-40, section 8.5.3).

5.2 Have MS/MD or MS/MSD results been summarized on Form III/Equivalent?

ACTION: If any data are missing take action as specified in section 3.2 above.

5.3 Were matrix spikes analyzed at the required frequency for each of the following matrices? (One MS/MD, MS/MSD or laboratory replicate must be performed for every 20 samples of similar matrix or concentration level. Laboratories analyzing one to ten samples per month are required to analyze at least one MS per month [page 8000B-39, section 8.5.])

	YES	NO	N/A
a. Water	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Waste	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Soil/Solid	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ACTION: If any MS/MD, MS/MSD or replicate data are missing,
take the action specified in 3.2 above.

5.4 We Were Matrix Spike Samples analyzed at the
required concentration for all analytes
of interest as specified in Table 5 below.

☒ ☐ ☐

Note: Spiking analytes may differ from those in Table 5.
Check QA project plan or task order.

Table 5. Matrix Spiking Criteria

Matrix Spike Compound	Spiking solution ug/l	Amount spiked to 100ml aqueous sample or 30g soil sample ml
gamma-BHC	0.05	1
Heptachor	0.05	1
Aldrin	0.05	1
Dieldrin	1.0	1
Endrin	1.0	1
4,4'-DDT	1.0	1

Note: For aqueous organic extractable, the spike
concentration should be:

- 1) For regulatory compliance monitoring - the
regulatory concentration limit or 1 to 5 times the
expected background concentration, whichever is
higher;
- 2) For all other aqueous samples - the larger of
either 1 to 5 x times the expected background

YES NO N/A

concentration, or the same as the QC check sample concentration (see section 4 above);

- 3) For soil/solid and waste samples - the recommended concentration is 20 times the estimated quantitation limit (EQL).

No action is taken based on MS or replicate data alone. However, using informed professional judgement, the data reviewer may use the matrix spike or laboratory replicate results in conjunction with other QC criteria and determine the need for some qualification of the data. In some instances it may be determined that only the replicate or spiked samples are affected. Alternatively, the data may suggest that the laboratory is having a systematic problem with one or more analytes, thereby affecting all associated samples.

5.5 Do average recovery for each analyte meet the corresponding QC acceptance criteria listed in ~~Table 6~~ below. *lab limits.*

11 /

Note: ✓ Use lab in-house criteria, if available.

Table 6. Matrix Spike Recovery Criteria

Compound	% Recovery Water	RPD Water	% Recovery Soil	RPD Soil
gamma-BHC	56-123	0-15	46-127	0-50
Heptachlor	40-13	0-20	35-130	0-31
Aldrin	40-120	0-22	34-132	0-43
Dieldrin	52-126	0-18	31-134	0-38
Endrin	56-121	0-21	42-139	0-45
4,4'-DDT	38-127	0-27	23-134	0-50

NOTE: The actual number of MS analytes depends on the number analytes being measured (e.g., total number of MS plus MSD compounds). If only chlordane or toxaphene are the analytes of

YES NO N/A

interest, the spiked sample should contain the most representative multi-component analyte.

ACTION: Follow the matrix spike actions (Table 7)
for pesticide analyses.

Table 7. Matrix Spike Qualifying Criteria

Criteria	Action	
	Detected Associated Compounds	Non-Detected Compounds
%R or RPD > Upper Acceptance Limit	J	No qualification
20% R ≤ %R < Lower Acceptance Limit	J	UJ
%R < 20%	J	Use professional judgement
Lower Acceptance Limit ≤ %R; RPD ≤ Upper Acceptance Limit	No qualifications	

Note: When the results of the matrix spike analyses indicates a potential problem due to the sample matrix itself, the LCS results are used to verify the laboratory can perform analyses in a clean matrix.

6.0 Blanks (Form IV/Equivalent)

6.1 Was reagent blank data reported on Method
Blank Summary form(s) (Form IV)?

6.2 Frequency of Analysis: Has a reagent blank been analyzed
for every 20 (or less) samples of similar matrix or
concentration or each extraction batch? ☒ ☐ ☐

Note: Method blank should be analyzed, either after the calibration standard or at any other time during the analytical shift.

YES NO N/A

ACTION: If any blank data are missing, take action as specified above (section 3.2). If blank data is not available, reject (R) all associated positive data. However, using professional judgement, the data reviewer may substitute field blank data for missing method blank data.

6.3 Chromatography: review the blank raw data - chromatograms, quant reports or data system printouts.

Is the chromatographic performance (baseline stability) for each instrument acceptable for pesticides?

☒ ☐ ☐

ACTION: Use professional judgement to determine the effect on the data.

7.0 Contamination

NOTE: "Water blanks", "distilled water blanks" and "drilling water blanks" are validated like any other sample and are not used to qualify the data. Do not confuse them with the other QC blanks discussed below.

7.1 Do any method/instrument/reagent/cleanup blanks have positive results for organochlorine pesticides? When applied as described below, the contaminant concentration in these blanks are multiplied by the sample Dilution Factor and corrected for % moisture when necessary.

☒ ☐ ☐

7.2 Do any field/rinse blanks have positive organochlorine pesticide results?

☒ ☐ ☐

ACTION: Prepare a list of the samples associated with each of the contaminated blanks. (Attach a separate sheet.)

NOTE: All field blank results associated to a particular group of samples (may exceed one per case or one per day) may be used to qualify data. Blanks may not be qualified because of contamination in

YES NO N/A

another blank. Field blanks must be qualified for surrogate, or calibration QC problems.

ACTION: Follow the directions in Table 8 below to qualify sample results due to contamination. Use the largest value from all the associated blanks.

Table 8. Blank Contamination Criteria

Blank Type	Blank Result	Sample Result	Action for Samples
Method, Clean up, Instrument, Field	Detects	Not detected	No qualification
	< CRQL	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification
	> CRQL	< CRQL	Report CRQL value with a U
		≥ CRQL and < blank contamination	Report the concentration for the sample with a U
		≥ CRQL and ≥ blank contamination	No qualification
	= CRQL	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification
	Gross contamination	Detects	Qualify results as unusable R

Note: Analytes qualified "U" for blank contamination are treated as "hits" when qualifying the calibration criteria.

Note: When applied as described in Table 8 above, the contaminant concentration in the blank is multiplied by the sample dilution factor.

NOTE: If gross blank contamination exists(e.g., saturated peaks, "hump-o-grams", "junk peaks"), all affected positive compounds in the associated samples should be qualified as unusable "R", due to interference.

YES NO N/A

Non-detected pesticide target compounds do not require qualification unless the contamination is so high that it interferes with the analyses of non-detected compounds.

7.3 Are there field/rinse/equipment blanks associated with every sample?

☒ — —

ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

8.0 Gas Chromatography with Electron Capture Detector (GC/ECD) Instrument Performance Check (CLP Form VI and Form VII Equivalent)

8.1 Was the proper gas chromatographic column used for the analysis of organochlorine pesticides? Check raw data, instrument logs, or contact the lab to determine what type of columns were used. (See Method 8081B-8, section 4.2)

☒ — —

8.2 If capillary columns were used, were they both wide bore (.53 mm ID) fused silica GC columns, such as DB-608 and DB-1701 or equivalent. Indicate the specific type of column used for:

column 1: _____

column 2: _____

ACTION: Note any changes to the suggested materials in section 8.1 above in the data assessment. Also note the impact (positive or negative) such changes have on the analytical results.

9.0 Calibration and GC Performance

9.1 Are the following Gas Chromatograms and Data Systems Printouts for both columns present for all samples, blanks, MS, replicates?

a. DDT/endrin breakdown check

☒ — —

YES NO N/A

- | | | | |
|--|-------------------------------------|-----|-----|
| b. toxaphene | <input checked="" type="checkbox"/> | ___ | ___ |
| c. technical chlordane | <input checked="" type="checkbox"/> | ___ | ___ |
| d. 5 pt. initial calibration standards | <input checked="" type="checkbox"/> | ___ | ___ |
| e. calibration verification standards | <input checked="" type="checkbox"/> | ___ | ___ |
| f. LCS | <input checked="" type="checkbox"/> | ___ | ___ |
| g. Method blanks | <input checked="" type="checkbox"/> | ___ | ___ |

ACTION: If no, take action specified in 3.2 above.

- 9.2 Has a DDT/endrin breakdown check standard (at the mid-concentration level) been analyzed at the beginning of each analytical sequence on both columns (page 8081B-24, section 8.2.3)? ☒ ___

ACTION: If no, take action as specified in 3.2 above.

- 9.3 Has the individual % breakdown exceeded 20.0% on either column for:
- | | | | |
|---------------|-----|-------------------------------------|-----|
| - 4,4' - DDT? | ___ | <input checked="" type="checkbox"/> | ___ |
| - endrin? | ___ | <input checked="" type="checkbox"/> | ___ |

ACTION: If any % breakdown has failed the QC criteria in the breakdown check standard, qualify all sample analyses in the entire analytical sequence as described below.

- a. If 4,4'-DDT breakdown is greater than 20.0%:
- i. Qualify all positive results for DDT with 'J'. If DDT was not detected, but DDD and DDE are positive, then qualify the quantitation limit for DDT as unusable ("R").
 - ii. Qualify positive results for DDD and DDE as presumptively present at an approximated quantity ("NJ").

YES NO N/A

b. If endrin breakdown is greater than 20.0%:

i. Qualify all positive results for endrin with "J". If endrin was not detected, but endrin aldehyde and endrin ketone are positive, then qualify the quantitation limit for endrin as unusable ("R").

ii. Qualify positive results for endrin ketone and endrin aldehyde as presumptively present at an approximated quantity ("NJ").

9.4 Are data summary forms (containing calibration factors or response factors) for the initial 5 pt. calibration and daily calibration verification standards present and complete for each column and each analytical sequence? ☒ ☐ ☐

NOTE: If internal standard calibration procedure is used (page 8000B-16, section 7.4.2.2), then response factors must be used for %RSD calculations and compound quantitation. If, external standard calibration procedures are used (page 8000B-16, section 7.4.2.1), then calibration factors must be used.

ACTION: If any data are missing or it cannot be determined how the laboratory calculated calibration factors or response factors, contact the lab for explanation/resubmittals. Make necessary corrections and note any problems in the data assessment.

9.5 Are there any transcription/calculation errors between raw data and data summary forms. ☐ ☒ ☐

ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and document the effect in data assessments.

9.6 Are standard retention time (RT) windows for each analyte of interest presented on modified CLP summary forms? ☒ ☐ ☐

YES NO N/A

ACTION: If any data are missing, or it cannot be determined how RT windows were calculated, call the lab for explanation/resubmittals. Note any problems in the data assessment.

NOTE: Retention time windows for all pesticides are established using retention times from three calibration standards analyzed during the entire analytical sequence (page 8081B-15, section 7.4.6).

A 72 hr. sequence is not required with this method, however, the method states that best results are obtained using retention times which span the entire sequence; i.e., using the mid level from the 5 pt. calibration, one of the mid-concentration standards analyzed during mid-sequence and one analyzed at the end.

9.7 Were RT windows on the confirmation column established using three standards as described above? 1 / — —

NOTE: RT windows for the confirmation column should be established using a 3 pt. calibration, preferably spanning the entire analytical sequence as described in 9.6 above. If RT windows on one column are tighter than the other, this may result in false negatives when attempting to identify compounds in the samples.

ACTION: Note potential problems, if any, in the data assessment.

9.8 Do all standard retention times in each level of the initial 5 pt. calibrations for pesticides fall within the windows established during the initial calibration sequence? 1 / — —

ACTION: i. If no, all samples in the entire analytical sequence are potentially affected. Check to see if three standards, spanning the entire sequence were used to obtain RT windows. If the lab used three standards from the 5 pt., RT windows

YES NO N/A

may be too tight. If so, RT windows should be recalculated as per page 8081B-15, section 7.4.6.2

- ii. Alternatively, check to see if the chromatograms contain peaks within an expanded window surrounding the expected retention times.

If no peaks are found and the surrogates are visible, non-detects are valid. If peaks are present but cannot be discerned through pattern recognition or by using revised RT windows, qualify all positive results and non-detects as unusable, "R".

ACTION: For toxaphene and chlordane, the RT may be outside the RT window, but these analytes may still be identified from their individual patterns.

9.9 Has the linearity criteria for the initial calibration standards been satisfied for both columns? (% RSD must be < allowable limits* for all analytes). 1/1 all rx

ACTION: If no, follow the actions in Table 9 below.

Table 9. Initial Calibration Linearity Criteria

Criteria	Criteria	
	Detected Associated Compounds	Non-Detected Associated Compounds
% RSD exceeds allowable limits*	J	No qualification
% RSD within allowable limits*	NO qualifications	

* %RSD \leq 20% for single component compounds except alpha-BHC and delta-BHC.

%RSD \leq 25% for alpha-BHC and delta-BHC

%RSD \leq 30% for Toxaphene peaks

%RSD \leq 30% for surrogates (tetrachloro-m-xylene and decachlorobiphenyl).

9.10 Has a calibration verification standard containing all analytes of interest been analyzed on each

YES NO N/A

working day, prior to sample analyses (pages
8081B-15, sections 7.5.2)?

☒ ☐ ☐

9.11 Has a calibration verification standard also been
analyzed after every 10 samples and at the end of
each analytical sequence (page 8081B-15, section
7.5.2)?

☒ ☐ ☐

ACTION: If no, take action as specified in section 3.2
above.

9.12 Has no more than 12 hours elapsed from the injection
of the opening CCV and the end of the analytical sequence
(closing CCV). Has no more than 72 hours elapsed from
the injection of the sample with a Toxaphene
detection and the Toxaphene CCV?

☒ ☐ ☐

ACTION: See Table 10 below.

9.13 Has the percent difference (%D) exceeded $\pm 20\%$ for
any organochlorine pesticide analyte in any
calibration verification standard?

☒ ☐ ☐

9.14 Has a new 5 pt. calibration curve been generated
for those analytes which failed in the calibration
verification standard (page 8081B-16, section
7.5.2.2), and all samples which followed the out-
of-control standard (page 8081B-16, section
7.5.2.3) reinjected?

☐ ☒ ☐

ACTION: If the %D for any analyte exceeded the $\pm 20\%$
criterion and the instrument was not recalibrated
for those analytes, see table below.

9.15 Have daily retention time windows been properly
calculated for each analyte of interest (page
8081B-16, section 7.5.3)), using RTs from the
associated mid concentration standard
and standard deviation from the initial
calibration)?

☒ ☐ ☐

YES NO N/A

ACTION: If no, take action specified in section 3.2 above or recalculate RT windows using the procedure outlined in method 8081B-16, section 7.5.3.

9.16 Do all standard retention times for each mid concentration standard fall within the windows established during the initial calibration sequence?

1X — —

9.17 Do all standard retention times for each mid-concentration standard (analyzed after every 10 samples) fall within the daily RT windows (page 8081B-16, section 7.5.3)?

1X — —

ACTION: If the answer to either 9.15 or 9.16 above is no, check the chromatograms of all samples which followed the last in-control standard. All samples analyzed after the last in-control standard must be re-injected, if initial analysis indicated the presence of the specific analyte that exceeded the retention time criteria (page 8081B-18, section 7.5.7.). If samples were not re-analyzed, document under Contract Non-compliance in the Data Assessment.

Reviewer has two options to determine how to qualify questionable sample data. First option is to determine if possible peaks are present within daily retention time window. If no possible peaks are found, non-detects are valid. If possible peaks are found (or interference), qualify positive hits as presumptively present "NJ" and non-detects are rejected "R". Second option is to use the ratio of the retention time of the analyte over the retention time of either surrogate. The passing criteria is ± 0.06 RRT units of the RRT of the standard component. Reject "R" all questionable analytes exceeding criteria, and "NJ" all other positive hits.

For any multi-response analytes, retention time windows should be used but analyst and reviewer should rely primarily on pattern recognition or use option 2 specified in paragraph above.

YES NO N/A

See Table 10 below.

Table 10. CCV Criteria

Criteria	Action	
	Detected Associated Compounds	Non-Detected Associated Compounds
RT out of RT window	Use professional judgement	
%D not within +/- 20%	J	UJ
Time elapsed greater than section 9.12 criteria.	R	
%D, time elapsed, RT are all within acceptable limits.	No qualifications	

9.18 Are there any transcription/calculation errors between raw data and data summary forms? 11

ACTION: If large errors exists, call lab for explanation/resubmittal, make any necessary corrections and document the effect in data assessments under "Conclusions".

10.0 Analytical Sequence Check (Form VIII-PEST/Equivalent)

10.1 Have all samples been listed on CLP Form VIII or equivalent, and are separate forms present for each column? 11

ACTION: If no, take action specified in 3.2 above.

10.2 Was the proper analytical sequence followed for each initial calibration and subsequent analyses? 11

ACTION: If no, use professional judgement to determine the severity of the effect on the data and qualify it

YES NO N/A

accordingly. Generally, the effect is negligible unless the sequence was grossly altered or the calibration was also out of limits.

11.0 Extraction Method Cleanup Efficiency Verification (Form IX/Equivalent)

11.1 Method 8081B permits a variety of extraction techniques to be used for sample preparation. Which extraction procedure was used?

1. Aqueous samples:

1. Separatory funnel (Method 3510) ✓
2. Continuous liquid-liquid extraction (Method 3520) _____
3. Solid phase extraction (Method 3535) _____
4. Other _____

2. Solid samples:

1. Soxhlet (Method 3540) _____
2. Automated Soxhlet (Method 3541) _____
3. Pressurized fluid (Method 3545) _____
4. Microwave extraction (Method 3546) _____
5. Ultrasonic extraction (Method 3550) ✓
6. Supercritical fluid (Method 3562) _____
7. Other _____

11.2 Is Form IX - Pest-1/Equivalent present and complete for each lot of Florisil/Cartridges used? (Florisil Cleanup, Method 3620A, is required for all organochlorine pesticide extracts.) 11 ✓

YES NO N/A

ACTION: If no, take action specified in 3.2 above. If data suggests that florisil cleanup was not performed, make note in the reviewer narrative.

NOTE: Method 3620A uses Florisil, while the SOW/CLP allows for Florisil cartridges. Method 3620A does not list which pesticides and surrogate(s) to use to verify column efficiency. The reviewer must check project plan to verify method used as well as the correct pesticide list. If not stated or available, use the CLP listing or accept what the laboratory used.

11.3 Are all samples listed on modified CLP Pesticide Florisil/Cartridge Check Form?

☒ ☐ ☐

ACTION: If no, take action specified in 3.2 above.

11.4 If GPC Cleanup was performed, is Form IX - Pest-2/ Equivalent present?

☐ ☒ ☐

ACTION: If GPC was not performed and sample results indicate significant sulfur interference, make note in the data assessment.

NOTE: GPC cleanup is not required and is optional. The reviewer should check Project Plan to verify requirement.

11.5 Were the same compounds on Form IX used to check the efficiency of the cleanup procedures?

☐ ☐ ☒

11.6 Are percent recoveries (% R) of the pesticide and surrogate compounds used to check the efficiency of the cleanup procedures within QC limits listed on Form IX:

80-120% for florisil cartridge check?

☐ ☐ ☒

80-110% for GPC calibration?

☐ ☐ ☒

YES NO N/A

Qualify only the analyte(s) which fail the recovery criteria as follows:

ACTION: If % R are < 80%, qualify positive results "J" and quantitation limits "UJ". Non-detects should be qualified "R" if zero %R was obtained for pesticide compounds. Qualify positive results "J" (estimated).

NOTE: If 2,4,5-trichlorophenol was used to measure the efficiency of the Florisil cleanup and the recovery was > 5%, sample data should be evaluated for potential interferences.

12.0 Pesticide Identification

12.1 Has CLP Form X, showing retention time data for positive results on the two GC columns, been completed for every sample in which a pesticide was detected? ☒ ☐ ☐

ACTION: If no, take action specified in 3.2 above, or compile a list comparing the retention times for all sample hits on the two columns.

12.2 Are there any transcription/calculation errors between raw data and data summary forms (initial calibration summaries, calibration verification summaries, analytical sequence summaries, GPC and Florisil cleanup verification forms)? ☐ ☒ ☐

ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and note error in the data assessment.

12.3 Are retention times (RT) of sample compounds within the established RT windows for both analyses? ☒ ☐ ☐

Note: Confirmation can be supported by other qualitative techniques such as GC/MS (Method 8270), or GC/AED (Method 8085) if sensitivity permits.

YES NO N/A

ACTION: Qualify as unusable (R) all positive results which were not confirmed by second GC column analysis. Also qualify "R", unusable, all positive results not within RT windows unless associated standard compounds are similarly biased. The reviewer should use professional judgement to assign an appropriate quantitation limit.

12.4 Check chromatograms for false negatives, especially if RT windows on each column were established differently (see section 9.7 above). Also check for false negatives among the multiple peak compounds toxaphene and chlordane. Were there any false negatives?

— 1/ —

ACTION: Use professional judgement to decide if the compound should be reported. If there is reason to believe that peaks outside retention RT windows should be reported, make corrections to data summary forms (Form I) and note in data assessment.

12.5 Was GC/MS confirmation used as the second column Confirmation? (This is not required).

11 / —

12.6 Is the percent difference (%D) calculated for the positive sample results on the two GC columns <25.0%?

11 / —

NOTE: The method 8081B requires quantitation from one column. The second column is to confirm the presence of an analyte. Calibration for the Confirmation column is a one point calibration. It is the reviewer's responsibility to verify from the project plan what the lab was required to report. If the lab was required to report concentrations from both columns, continue with validation for % Difference. If required, but not reported, either contact the lab for results or calculate the concentrations from the calibration. If not required, skip this section. Document actions in Data Assessment.

YES NO N/A

ACTION: If the reviewer finds neither column shows interference for the positive hits, the data should be qualified as follows:

^{RPD} <u>% Difference</u>	<u>Qualifier</u>
0-25%	none
26-70%	"J"
71-100%	"NJ"
101-200% (No Interference)	"R"
101-200% (Interference detected)	"NJ"
>50% (Pesticide vale is <CRQL)	"U"
>201%	"R"

Note: The lower of the two values is reported on Form I. If using professional judgement, the reviewer determines that the higher result was more acceptable, the reviewer should replace the value and indicate the reason for the change in the data assessment.

13.0 Compound Quantitation and Reported Detection Limits

13.1 Are there any transcription/calculation errors in Form I results? Check at least two positive values. Were any errors found? 1/1

NOTE: Single-peak pesticide results can be checked for rough agreement between quantitative results obtained on the two GC columns. The reviewer should use professional judgement to decide whether a much larger concentration obtained on one column versus the other indicates the presence of an interfering compound. If an interference is suspected, the lower of the two values should be reported and qualified according to section 12.6 above. This necessitates a determination of an estimated concentration on the confirmation column. The narrative should indicate that the presence of interferences has led to the quantitation of the second column confirmation results.

YES NO N/A

13.2 Are the EDLs (Estimated Detection Limits) adjusted to reflect sample dilutions and, for soils, % moisture?

☒ ☐ ☐

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and document effect in data assessments.

ACTION: When a sample is analyzed at more than one dilution, the lowest EDLs are used (unless a QC exceedance dictates the use of the higher EDL data from the diluted sample analysis). Replace concentrations that exceed the calibration range in the original analysis by crossing out the value on the original Form I and substituting it with data from the analysis of diluted sample. Specify which Form I is to be used, then draw a red "X" across the entire page of all Form I's that should not be used, including any in the summary package.

ACTION: EDLs affected by large, off-scale peaks should be qualified as unusable, "R". If the interference is on-scale, the reviewer can provide a modified EDL flagged "UJ" for each affected compound.

14.0 Chromatogram Quality

14.1 Were baselines stable?

☒ ☐ ☐

14.2 Were any electropositive displacement (negative peaks) or unusual peaks seen?

☐ ☒ ☐

ACTION: Note all system performance problems in the data assessment.

15.0 Field Duplicates

15.1 Were any field duplicates submitted for organochlorine pesticide analysis?

☒ ☐ ☐

ACTION: Compare the reported results for field duplicates and calculate the relative percent difference.

ACTION: Any gross variation between field duplicate results must be addressed in the reviewer narrative. However, if large differences exist, the identity of the field duplicates is questionable. An attempt should be made to determine the proper identification of field duplicates.

Site: Glen Isle
Laboratory: Test America Buffalo, NY
Report No.: 480-55087-1
Reviewer: Christina Rink and Ming Hwang/Laboratory Data Consultants for RXR
Glen Isle Partners, LLC
Date: March 20, 2014

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
LT-XC-020-02	480-55087-1	Metals
LT-XC-020-4-6	480-55087-2	Metals
LT-XC-020-6-8	480-55087-3	Metals
CC-C-042-0-2**	480-55087-4	Metals
CC-C-042-2-4**	480-55087-5	Metals
CC-C-042-8-10	480-55087-7	Metals
CC-C-043-0-2**	480-55087-8	Metals
CC-C-043-2-4	480-55087-9	Metals
CC-C-043-6-8	480-55087-10	Metals
DUP026	480-55087-12	Metals
CC-C-044-0-2	480-55087-13	Metals
CC-C-044-4-6	480-55087-14	Metals
CC-C-044-8-10**	480-55087-16	Metals
FB027	480-55087-17	Metals
CC-C-045-0-2	480-55087-18	Metals
CC-C-045-4-6**	480-55087-19	Metals
CC-C-045-8-10	480-55087-21	Metals
LT-C-048-0-2	480-55087-22	Metals
LT-C-048-2-4	480-55087-23	Metals
LT-C-048-6-8	480-55087-24	Metals
CC-C-046-0-2**	480-55087-25	Metals
CC-C-046-4-6**	480-55087-26	Metals
CC-C-046-8-10	480-55087-28	Metals
CC-C-047-0-2**	480-55087-29	Metals
CC-C-047-2-4**	480-55087-30	Metals
CC-C-047-8-10**	480-55087-31	Metals
LT-C-049-0-2	480-55087-32	Metals
LT-C-049-2-4	480-55087-33	Metals
LT-C-049-8-10	480-55087-34	Metals
CC-C-043-6-8MS	480-55087-10MS	Metals
CC-C-043-6-8MSD	480-55087-10MSD	Metals
CC-C-046-4-6MS	480-55087-26MS	ICP Metals
CC-C-046-4-6MSD	480-55087-26MSD	ICP Metals

Associated QC Samples(s):

Field/Trip Blanks: FB027

Field Duplicate pair: CC-C-042-0-2** and DUP026

The above-listed soil and water samples were collected on February 20, 2014 through February 21, 2014 and were analyzed for metals by SW-846 methods 6010C, 7470A, and 7471B. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for the Evaluation of Metals for the Contract Laboratory Program*, SOP HW-2, Revision 13 (September 2006) and the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review*, EPA 540-R-10-011 (January 2010), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- Instrument Calibration
- Contract Required Quantitation Limit (CRQL) Standard Recoveries
- Blank Analysis Results
- Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
- Matrix Spike (MS) Results
- Laboratory Duplicate Results
- Field Duplicate Results
- Laboratory Control Sample (LCS)/Certified Reference Material (CRM) Results
- Serial Dilution Results
- Moisture Content
- Detection Limits Results
- Sample Quantitation Results

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers.

Samples indicated by a double asterisk on the front cover underwent Category B review. A Category A review was performed on all of the other samples. Calibration and raw data were not evaluated for the samples reviewed by Category A criteria since this review is based on QC data.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All criteria were met for samples on which a Category B review was performed. Calibration data were not evaluated for the samples reviewed by Category A criteria.

CRQL Standard Recoveries

All criteria were met. CRQL recoveries were not evaluated for the samples reviewed by Category A criteria.

Blank Results

Analytes were detected below the reporting limits in the laboratory method and instrument blank samples. Instrument blanks were not evaluated for Category A. The following table summarizes the contamination and validation actions taken.

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
PB (prep blank)	Calcium Iron Manganese Zinc	4.28 mg/Kg 2.23 mg/Kg 0.0413 mg/Kg 0.245 mg/Kg		LT-XC-020-02 LT-XC-020-4-6 LT-XC-020-6-8 CC-C-042-0-2** CC-C-042-2-4** CC-C-042-8-10 CC-C-043-0-2** CC-C-043-2-4 CC-C-043-6-8 DUP026 CC-C-044-0-2 CC-C-044-4-6 CC-C-044-8-10** CC-C-045-0-2 CC-C-045-4-6** CC-C-045-8-10 LT-C-048-0-2 LT-C-048-2-4 LT-C-048-6-8 CC-C-046-0-2**
PB (prep blank)	Calcium Iron Magnesium Manganese Zinc	7.49 mg/Kg 5.23 mg/Kg 2.33 mg/Kg 0.134 mg/Kg 0.354 mg/Kg		CC-C-046-4-6** CC-C-046-8-10 CC-C-047-0-2** CC-C-047-2-4** CC-C-047-8-10** LT-C-049-0-2 LT-C-049-2-4 LT-C-049-8-10

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
PB (prep blank)	Iron Manganese Zinc	0.0318 mg/L 0.00228 mg/L 0.00172 mg/L		FB027
ICB/CCB	Iron Manganese	0.0249 mg/L 0.000610 mg/L		CC-C-042-0-2** CC-C-042-2-4** CC-C-043-0-2**
ICB/CCB	Copper	0.00177 mg/L		CC-C-042-0-2** CC-C-042-2-4** CC-C-043-0-2** CC-C-044-8-10**
ICB/CCB	Barium Copper Manganese	0.00770 mg/L 0.00192 mg/L 0.00130 mg/L		CC-C-045-4-6** CC-C-046-0-2**
ICB/CCB	Copper Iron Manganese	0.00192 mg/L 0.0520 mg/L 0.00130 mg/L		CC-C-046-4-6**
ICB/CCB	Copper Iron Manganese	0.00203 mg/L 0.0520 mg/L 0.00130 mg/L		CC-C-047-0-2** CC-C-047-2-4** CC-C-047-8-10**

Blank Actions for analytes detected below the reporting limit(RL).

If the sample result is < RL, report the result as nondetect (U) at the RL.

If the sample result is > RL or nondetect, no action is required.

Blank Actions for analytes detected above the reporting limit or RL.

If the sample result is < RL and < action level; report the result as nondetect (U) at the RL.

If the sample result is > RL and < action level; report the result as nondetect (U) at the reported value.

If the sample result is > action level or nondetect, no action is required.

Qualified sample results are listed in the table below.

Sample	Analyte	Reported Level	Validation Action
CC-C-042-8-10	Zinc	5.8 mg/Kg	9.8U mg/Kg
CC-C-044-4-6	Zinc	10.8 mg/Kg	11.6U mg/Kg
CC-C-044-8-10**	Zinc	3.6 mg/Kg	12.0U mg/Kg
FB027	Manganese	0.00052 mg/L	0.0030U mg/L
	Zinc	0.0028 mg/L	0.010U mg/L
LT-C-048-2-4	Zinc	9.6 mg/Kg	11.7U mg/Kg

These results can be used for project objectives as nondetect (U) which may have a minor impact on the data usability.

FB027 was identified as a field blank. No analytes were detected above the reporting limits in the field blank sample.

ICP ICS Results

All analytes were recovered within control limits in the ICSA and ICSAB analyses on which a Category B review was performed. ICP ICS data were not evaluated for the samples reviewed by Category A criteria.

MS/MSD Results

The laboratory performed MS and MSD analyses on samples CC-C-043-6-8 for metals and CC-C-046-4-6** for ICP metals. The following table lists the analytes which exhibited recoveries outside of the control limits of 75 - 125% in the MS/MSD and the resulting validation actions.

MS Sample	Analyte	MS %R	MSD %R	RPD Limits	QC Limits	Associated Samples	Validation Actions
CC-C-043-6-8MS/MSD	Aluminum	297	222	-	75-125	LT-XC-020-02	J detects
	Barium	126	319	62 (≤ 35)	75-125	LT-XC-020-4-6	J detects
	Calcium	157	131	-	75-125	LT-XC-020-6-8	J detects
	Copper	139	144	-	75-125	CC-C-042-0-2**	J detects
	Lead	204	-	-	75-125	CC-C-042-2-4**	J detects
	Manganese	161	165	-	75-125	CC-C-042-8-10	J detects
	Zinc	196	-	-	75-125	CC-C-043-0-2**	J detects
						CC-C-043-2-4	
						CC-C-043-6-8	
						DUP026	
						CC-C-044-0-2	
						CC-C-044-4-6	
						CC-C-044-8-10**	
						CC-C-045-0-2	
CC-C-043-6-8MS/MSD	Mercury	71	69	-	75-125	CC-C-045-4-6**	
						CC-C-045-8-10	
						LT-C-048-0-2	
						LT-C-048-2-4	
						LT-C-048-6-8	
						CC-C-046-0-2**	
						LT-XC-020-02	J detects
						LT-XC-020-4-6	
						LT-XC-020-6-8	
						CC-C-042-0-2**	
						CC-C-042-2-4**	
						CC-C-042-8-10	
						CC-C-043-0-2**	
						CC-C-043-2-4	
						CC-C-043-6-8	
						DUP026	
						CC-C-044-0-2	
						CC-C-044-4-6	
						CC-C-044-8-10**	
						CC-C-045-0-2	
						CC-C-045-4-6**	
						CC-C-045-8-10	
						LT-C-048-0-2	
						LT-C-048-2-4	
						LT-C-048-6-8	

MS Sample	Analyte	MS %R	MSD %R	RPD Limits	QC Limits	Associated Samples	Validation Actions
CC-C-046-4-6MS/MSD	Aluminum	211	217	-	75-125	CC-C-046-4-6**	J detects
	Chromium	73	-	-	75-125	CC-C-046-8-10	J detects
	Copper	46	61	-	75-125	CC-C-047-0-2**	J detects
	Lead	70	-	-	75-125	CC-C-047-2-4**	J detects
	Magnesium	-	140	-	75-125	CC-C-047-8-10**	J detects
						LT-C-049-0-2	
						LT-C-049-2-4	
CC-C-046-4-6MS/MSD	Antimony	73	74	-	75-125	LT-C-049-8-10	
						CC-C-046-4-6**	J detects
						CC-C-046-8-10	UJ nondetects
						CC-C-047-0-2**	
						CC-C-047-2-4**	
						CC-C-047-8-10**	
						LT-C-049-0-2	
						LT-C-049-2-4	
						LT-C-049-8-10	

Estimate (J) the positive aluminum, calcium, copper, lead, manganese, magnesium, and zinc results for the samples listed above due to high MS percent recovery results. The results may be biased high. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Estimate (J) the positive mercury, chromium, copper, and lead results for the samples listed above due to low MS percent recovery results. The results may be biased low. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Estimate (J) the positive barium results for the samples listed above due to high MS percent recovery and MS/MSD RPD results. The direction of the bias cannot be determined from this nonconformance. The results can be used for project objectives as estimated values which may have a minor impact on the data usability.

Estimate (J/UJ) the positive and nondetect antimony results for the samples listed above due to low MS percent recovery results. The results may be biased low. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Laboratory Duplicate Results

Laboratory duplicates were not associated with this sample set. Validation action was not required on this basis.

Field Duplicate Results

Analytes were detected in the field duplicate samples. The following table summarizes the concentrations and validation actions taken.

Analyte	Concentration (mg/Kg)		RPD (Limits)	Difference (Limits)	Validation Actions
	CC-C-042-0-2**	DUP026			
Aluminum	8020	4910	48 (≤ 100)	-	-
Antimony	32.5	11.0	-	21.5 (≤ 168.2)	-
Arsenic	30.1	16.1	-	14 (≤ 22.4)	-
Barium	74.0	61.2	19 (≤ 100)	-	-
Beryllium	0.26	0.21	-	0.05 (≤ 2.2)	-
Cadmium	2.3	0.76	-	1.54 (≤ 2.2)	-
Calcium	13100	13700	4 (≤ 100)	-	-
Chromium	16.9	11.8	-	5.1 (≤ 5.6)	-
Cobalt	12.0	5.7	-	6.3 (≤ 5.6)	J detects
Copper	141	43.5	106 (≤ 100)	-	J detects
Iron	28600	9460	101 (≤ 100)	-	J detects
Lead	242	133	58 (≤ 100)	-	-
Magnesium	3460	4020	15 (≤ 100)	-	-
Manganese	1290	261	133 (≤ 100)	-	J detects
Nickel	18.2	10.2	-	8 (≤ 56.0)	-
Potassium	974	853	13 (≤ 100)	-	-
Selenium	2.7	1.3	-	1.4 (≤ 44.8)	-
Silver	4.3	0.69	-	3.61 (≤ 5.6)	-
Sodium	192	129	-	63 (≤ 1570)	-
Vanadium	20.8	14.7	34 (≤ 100)	-	-
Zinc	209	98.6	72 (≤ 100)	-	-
Mercury	0.076	0.071	-	0.005 (≤ 0.044)	-

--no action required

For soil results > 5xRL and RPDs > 100; estimate (J) results in the field duplicate pair.

For soil results < 5xRL; the sample and duplicate results must be within 2XRL.

The positive results for cobalt, copper, iron, and manganese were qualified as estimated (J) due to high difference or RPD in field duplicate results for samples CC-C-042-0-2** and DUP027. The direction of the bias cannot be determined from this nonconformance. The results can be used for project objectives as estimated values which may have a minor impact on the data usability.

LCS/CRM Results

All criteria were met.

Serial Dilution Results

All criteria were met.

Moisture Content

All criteria were met.

Detection Limits Results

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL). These results were estimated (J) by the laboratory.

No dilutions were required.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

- U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.
- J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified “J” data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The ‘J’ data may be biased high or low or the direction of the bias may be indeterminable.
- UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified “UJ” data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The ‘UJ’ data may be biased low.
- R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 31445A4
SDG #: 480-55087-1
Laboratory: Test America, Inc.

VALIDATION COMPLETENESS WORKSHEET

Cat A/Cat B

Date: 3/17/14
Page: 1 of 1
Reviewer:
2nd Reviewer:

METHOD: Metals (EPA SW 846 Method 6010C/7000)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/20-21/14
II.	ICP/MS Tune	NA	Not reviewed for Cat A review.
III.	Calibration	A	Not reviewed for Cat A review.
IV.	Blanks	SW	SW/UB ✓
V.	ICP Interference Check Sample (ICS) Analysis	A	Not reviewed for Cat A review.
VI.	Matrix Spike Analysis	SW	
VII.	Duplicate Sample Analysis	N	
VIII.	Laboratory Control Samples (LCS)	A	LCS CRM
IX.	Internal Standard (ICP-MS)	NA	
X.	ICP Serial Dilution	A	Not reviewed for Cat A review.
XI.	Sample Result Verification	A	Not reviewed for Cat A review.
XII.	Overall Assessment of Data	A	
XIII.	Field Duplicates	SW	(4, 10)
XIV.	Field Blanks	ND	FB=27 LRL

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

1	LT-XC-020-02	11	CC-C-044-0-2	21	CC-C-046-0-2 **	31	CC-C-043-6-8MSD
2	LT-XC-020-4-6	12	CC-C-044-4-6	22	CC-C-046-4-6 **	32	CC-C-046-4-6MS
3	LT-XC-020-6-8	13	CC-C-044-8-10 **	23	CC-C-046-8-10	33	CC-C-046-4-6MSD
4	CC-C-042-0-2 **	14	FB027	24	CC-C-047-0-2 **	34	hry
5	CC-C-042-2-4 **	15	CC-C-045-0-2	25	CC-C-047-2-4 **	35	
6	CC-C-042-8-10	16	CC-C-045-4-6 **	26	CC-C-047-8-10 **	36	
7	CC-C-043-0-2 **	17	CC-C-045-8-10	27	LT-C-049-0-2	37	
8	CC-C-043-2-4	18	LT-C-048-0-2	28	LT-C-049-2-4	38	
9	CC-C-043-6-8	19	LT-C-048-2-4	29	LT-C-049-8-10	39	
10	DUP026	20	LT-C-048-6-8	30	CC-C-043-6-8MS	40	

Notes:

All circled elements are applicable to each sample.

[illegible]

Comments: (Mercury by CVAA if performed

VALIDATION FINDINGS WORKSHEET
PB/ICB/CCB QUALIFIED SAMPLES

METHOD: Trace Metals (SW 846 6010C/7471B/7470A)

Soil preparation factor applied: _____

Sample Concentration units, unless otherwise noted: mg/KgAssociated Samples: 1-13,15-21

					Sample Identification									
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit	6	12	13	19						
Ca	4.28													
Fe	2.23													
Mn	0.0413													
Zn	0.245				5.8/9.8	10.8/11.6	3.6/12.0	9.6/11.7						

Sample Concentration units, unless otherwise noted: mg/KgAssociated Samples: 22-29 (>RL)

					Sample Identification									
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit										
Ca	7.49													
Fe	5.23													
Mg	2.33													
Mn	0.134													
Zn	0.354													

Sample Concentration units, unless otherwise noted: mg/LAssociated Samples: 14

					Sample Identification									
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit	14									
Fe		0.0318			0.00052/0.0030 <u>[Signature]</u>									
Mn		0.00228			<u>0.00052/0.0030</u>									
Zn		0.00172			0.0028/0.010									

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".

Note : a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

VALIDATION FINDINGS WORKSHEET
PB/ICB/CCB QUALIFIED SAMPLES

METHOD: Trace Metals (SW 846 6010C/7471B/7470A)

Soil preparation factor applied: _____

Sample Concentration units, unless otherwise noted: mg/KgAssociated Samples: 4,5,7 (>RL)

					Sample Identification									
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit										
Fe			0.0249											
Mn			0.000610											

Sample Concentration units, unless otherwise noted: mg/KgAssociated Samples: 4,5,7,13 (>RL)

					Sample Identification									
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit										
Cu			0.00177											

Sample Concentration units, unless otherwise noted: mg/KgAssociated Samples: 16,21 (>RL)

					Sample Identification									
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit										
Ba			0.00770											
Cu			0.00192											
Mn			0.00130											

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".

Note : a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

VALIDATION FINDINGS WORKSHEET
PB/ICB/CCB QUALIFIED SAMPLES

METHOD: Trace Metals (SW 846 6010C/7471B/7470A)Soil preparation factor applied: Sample Concentration units, unless otherwise noted: mg/KgAssociated Samples: 22 (>RL)

					Sample Identification									
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit										
Cu			0.00192											
Fe			0.0520											
Mn			0.00130											

Sample Concentration units, unless otherwise noted: mg/KgAssociated Samples: 24,25,26 (>RL)

					Sample Identification									
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit										
Cu			0.00203											
Fe			0.0520											
Mn			0.00130											

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".

Note : a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

VALIDATION FINDINGS WORKSHEET

Matrix Spike/Matrix Spike Duplicates

METHOD: Trace metals (EPA SW 846 Method 6010C/7471B/7470A)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a matrix spike analyzed for each matrix in this SDG?

Y N N/A Were matrix spike percent recoveries (%R) within the control limits of 75-125? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.

Y N N/A Were all duplicate sample relative percent differences (RPD) within the control limits of 35 for soil and 20 for water?

LEVEL IV ONLY:

Y N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

[illegible]

Comments: 30/31: Fe >4X, 32/33: Ca, Fe, Mn >4X, no qual for %R

VALIDATION FINDINGS WORKSHEET
Field Duplicates

METHOD: Metals (EPA Method 6010C/7471B)

Compound	Concentration (mg/Kg)		(≤100) RPD	Difference	Limits	Qualifications (Parent Only)
	4	10				
Aluminum	8020	4910	48			
Antimony	32.5	11.0		21.5	(≤168.2)	
Arsenic	30.1	16.1		14	(≤22.4)	
Barium	74.0	61.2	19			
Beryllium	0.26	0.21		0.05	(≤2.2)	
Cadmium	2.3	0.76		1.54	(≤2.2)	
Calcium	13100	13700	4			
Chromium	16.9	11.8		5.1	(≤5.6)	
Cobalt	12.0	5.7		6.3	(≤5.6)	J det
Copper	141	43.5	106			J det
Iron	28600	9460	101			J det
Lead	242	133	58			
Magnesium	3460	4020	15			
Manganese	1290	261	133			J det
Nickel	18.2	10.2		8	(≤56.0)	
Potassium	974	853	13			
Selenium	2.7	1.3		1.4	(≤44.8)	
Silver	4.3	0.69		3.61	(≤5.6)	
Sodium	192	129		63	(≤1570)	
Vanadium	20.8	14.7	34			
Zinc	209	98.6	72			
Mercury	0.076	0.071		0.005	(≤0.044)	

DC #: 31484

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Page: 1 of 1
Reviewer: [Signature]
2nd Reviewer: [Signature]

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$$\%R = \frac{\text{Found}}{\text{True}} \times 100$$

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	m Found (ug/L)	m True (ug/L)	Recalculated	Reported	Acceptable (Y/N)
					%R	%R	
ICV	ICP (Initial calibration)	Ca	18.74	18.8	100	100	Y
	ICP/MS (Initial calibration)						
ICV	CVAA (Initial calibration)	Hg	0.00290	0.00300	97	99	Y
CW	ICP (Continuing calibration)	Pb	0.488	0.500	98	98	Y
	ICP/MS (Continuing calibration)						
CW	CVAA (Continuing calibration)	Hg	0.00200	0.00200	100	100	Y
	GFAA (Initial calibration)						
	GFAA (Continuing calibration)						

Comments: Refer to Calibration Verification findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the calculated results.

DC #: 314474

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Page: 1 of 1
Reviewer:
2nd Reviewer:

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$$R = \frac{\text{Found}}{\text{True}} \times 100$$

Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation,
Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$$PD = \frac{|S-D|}{(S+D)/2} \times 100$$

Where, S = Original sample concentration
D = Duplicate sample concentration

n ICP serial dilution percent difference (%D) was recalculated using the following formula:

$$D = \frac{|I-SDR|}{I} \times 100$$

Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (units)	True / D / SDR (units)	Recalculated	Reported	Acceptable (Y/N)
					%R / RPD / %D	%R / RPD / %D	
IC5AB	ICP interference check	Mn	0.473	0.500	95	95	Y
LC5	Laboratory control sample	Hy	2.11	3.77	71.9	71.9	Y
30	Matrix spike	As (SSR-SR)	42.73	43.3	99	99	Y
3-133	Duplicate	Cr	67.5	58.4	14	14	Y
9	ICP serial dilution	Zn	1.2449	1.2016	3-6	3-6	Y

Comments: Refer to appropriate worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 314454**VALIDATION FINDINGS WORKSHEET**
Sample Calculation VerificationPage: 1 of 1
Reviewer: [Signature]
2nd reviewer: [Signature]**METHOD:** Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A

Have results been reported and calculated correctly?

Y N N/A

Are results within the calibrated range of the instruments and within the linear range of the ICP?

Y N N/A

Are all detection limits below the CRDL?

Detected analyte results for _____ were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In. Vol.)}$

Recalculation:

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

$$\#4 Zn = \frac{1.8855 \text{ mg/L} \times 50 \text{ mL}}{0.5158 \text{ g} \times 0.873} = 209.4 \text{ mg/g}$$

#	Sample ID	Analyte	Reported Concentration (mg/g)	Calculated Concentration (mg/g)	Acceptable (Y/N)
	4	Zn	209	209	Y
	5	As	52.0	52.0	
	7	Hg	0.096	0.096	
	13	Al	728	728	
	16	Pb	87.6	87.0	
	21	Ba	102	102	
	22	Cr	27.4	27.4	
	24	V	18.3	18.3	
	25	Cu	71.3	71.3	
	26	Cd	0.18	0.18	✓

Note: _____

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(b) Form I's?

YES NO N/A

☒ ☐ ☐

Is the number of samples on the Cover
Page the same as the number of
samples on the Traffic Report sheet
and the Regional Record of Communication
(ROC) for the data Case?

☐ ☐ ☒

ACTION:

If no for any of the above, prepare
Telephone Record Log and contact RSCC/PO
for re-submittal of the corrected Cover Page
from the laboratory.

A.1.6 SDG Narrative, DC-1 & DC-2 Form

Is the SDG Narrative present?

☒ ☐ ☐

Is Sample Log-In Sheet(Form DC-1)
present and complete?

☐ ☐ ☒

Is Complete SDG Inventory Sheet(Form DC-2)
present and complete?

☐ ☐ ☒

ACTION:

If no, write in the Contract-Problems/
Non-Compliance Section of the Data Review
Narrative.

A.1.7 Form I to XV

A.1.7.1 Are all the Form I through Form XV
labeled with:

Laboratory Name?

☒ ☐ ☐

Laboratory Code?

☐ ☐ ☒

RAS/Non-RAS Case No.?

☒ ☐ ☐

SDG No.?

☒ ☐ ☐

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YES NO N/A

A.1.1 Contract Compliance Screening Report

Present?

☒ ☐ ☐

ACTION: If no, contact RSCC/PO.

A.1.2 Record of Communication (from RSCC)

Present?

☒ ☐ ☐

ACTION: If no, request from the RSCC.

A.1.3 Sampling Trip Report

Present and complete?

☒ ☐ ☐

ACTION: If no, contact RSCC/PO.

A.1.4 Chain of Custody/Sample Traffic Report

Present?

☒ ☐ ☐

Legible?

☒ ☐ ☐

Signature of sample custodian
present?

☒ ☐ ☐

ACTION: If no, contact RSCC/WAM/PO.

A.1.5 Cover Page

Present?

☒ ☐ ☐

Is the Cover Page properly filled in
and the verbatim signed by the lab
manager or the manager's designee?

☒ ☐ ☐

Do the sample identification numbers
on the Cover Page agree with sample
Identification numbers on:

(a) Traffic Report Sheet?

☐ ☐ ☒

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Contract No.?

YES	NO	N/A
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ACTION:

If no for any of the above, note under Contract Problem/Non-Compliance Section of the "Data Review Narrative" and contact PO for corrected Form(s) from the laboratory.

A.1.7.2 After comparing values on Forms I-IX against the raw data, do any computation/transcription errors exceed 10% of the reported values on the Forms for:

(a) all analytes analyzed by ICP-AES?

☐ ☒ ☐

(b) all analytes analyzed by ICP-MS?

☐ ☐ ☒

(c) Mercury?

☐ ☒ ☐

(d) Cyanide?

☐ ☐ ☒

ACTION:

If yes, prepare Telephone Record Log and contact CLP PO/TOPO for the corrected data from the laboratory.

A.1.8 Raw Data

Data shall not be validated without the hard/electronic copies of the associated raw data for samples and QC samples.

A.1.8.1 Digestion/Distillation Log

Digestion Log for ICP-AES
(Form XII) present?

☒ ☐ ☐

Digestion Log for ICP-MS
(Form XII) present?

☐ ☐ ☒

Digestion Log for mercury
(Form XII) present?

☒ ☐ ☐

Distillation Log for cyanide
(Form XII) present?

☐ ☐ ☒

Are pH values for metals and

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YES NO N/A

cyanide reported for each
aqueous sample?

☒ _ _

Are percent solids calculations
present for soils/sediments?

☒ _ _

Are preparation dates present on the
sample preparation logs/bench sheets?

☒ _ _

NOTE:

Digestion/Distillation log must include weights, volumes,
and dilutions used to obtain the reported results.

A.1.8.2 Is the analytical instrument
real-time printouts present for:

ICP-AES?

☒ _ _

ICP-MS?

☐ _ ☒

Mercury?

☒ _ _

Cyanide?

☐ _ ☒

Are all laboratory bench sheets
and instrument raw data printouts
necessary to support all sample
analyses and QC operations:

Legible?

☒ _ _

Properly labeled?

☒ _ _

Are all field samples, QC samples
and field QC samples present on:

Digestion/Distillation log?

☒ _ _

Instrument Printouts?

☒ _ _

ACTION:

If no for any of the above questions in
Section A.1.8.1 and Section A.1.8.2, write
Telephone Record Log and contact TOPO/PO
for re-submittal from the laboratory.

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YES NO N/A

A.1.9 Technical Holding Times: (Aqueous and soil samples)

(Examine sample Traffic Reports and digestion/distillation logs to determine the holding time from the sample collection date to the sample preparation date.)

A.1.9.1 Cyanide distillation(14 days)exceeded? ☐ ☒ ☐

Mercury analysis(28 days) exceeded? ☐ ☒ ☐

Other Metals analysis(180 days)exceeded? ☐ ☒ ☐

ACTION:

If yes, reject (R) and red-line non-detects and flag as estimated (J)results \geq MDL even if sample(s) was preserved properly.

NOTE:

In addition to qualifying the data, a list of all samples and analytes which exceeded the holding times must be prepared. Report for each sample the number of days that were exceeded. (Subtract the sample collection date from the sample preparation date). Attach this list to the data review narrative.

A.1.9.2 Is pH of aqueous samples for:

Metals Analysis ≤ 2 ? ☒ ☐ ☐

Cyanide Analysis ≥ 12 ? ☐ ☐ ☒

ACTION:

If no for any of the above, flag non-detects as "R" and detects as "J".

A.1.9.3 Is the cooler temperature ≤ 10 C°? ☒ ☐ ☐

ACTION:

If cooler temperature is $>10^{\circ}\text{C}$, flag non-detects as "UJ" and detects as "J".

A.1.10 Final Data Correctness - Form I

A.1.10.1 Are Form I's for all samples

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YES NO N/A

present and complete?

[☒] _____ _____

ACTION:

If no, prepare Telephone Record
Log and contact CLP PO/TOPO for
submittal from the laboratory.

A.1.10.2 Verify there are no calculation and transcription errors in the results
reported on Form I's. Circle on each Form I all results that are incorrect.

Is the calculation error less than 10% of the correct result? [☒] _____ _____

Are results on Form I's reported in correct units (ug/L for aqueous and
MG/KG for soils)? [☒] _____ _____

Are results on Form I'S reported by correct significant figures? [☒] _____ _____

Are soil sample results on Form I's
corrected for percent solids?

[☒] _____ _____

Are all "less than MDL" values reported
by the CRQLs and coded with "U"?

[☒] _____ _____

Are values less than the CRQLs
but greater than or equal to the
MDLs flagged with "J"?

[☒] _____ _____

Are appropriate contractual quality
control and Method qualifiers used?

[☒] _____ _____

ACTION:

If no for any of the above questions,
prepare Telephone Record Log, and contact
CLP PO/TOPO for corrected data.

A.1.10.3 Do EPA sample identification numbers
and the corresponding laboratory
sample identification numbers match
on the Cover Page, Form I's and
in the raw data?

[☒] _____ _____

Was a brief physical description

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YES NO N/A

of the samples before and after
digestion given on the Form I's?

[] ☒ []

Was any sample result outside the
mercury/cyanide calibration range
or the ICP-AES/ICP-MS linear range
diluted and noted on the Form I?

[] [] ☒

ACTION:

If no for any of the above, note under
the Contract-Problem/Non-Compliance
Section of the Data Review Narrative.

A.1.11 Initial Calibration

A.1.11.1 Is a record of at least 2 point
(A blank and a standard)calibration
present for ICP-AES analysis?

☒ [] []

Is a record of at least 2 point
(a blank and a standard)calibration
present for ICP-MS analysis?

[] [] ☒

Is a record of at least 5 point calibration
(a blank & 4 standards)present for Hg analysis?

☒ [] []

Is a record of at least 4 point calibration
(a blank & 4 standards)present for cyanide?

[] [] ☒

ACTION:

If incomplete or no initial calibration
was performed, reject (R) and red-line
the associated data (detects & non-detects).

Is one initial calibration standard
at the CRQL level for cyanide and
mercury?

☒ [] []

ACTION:

If no, write in the Contract Problem/
Non-Compliance Section of the Data
Review Narrative.

A.1.11.2 Is the curve correlation
coefficient ≥ 0.995 for:

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	<u>YES</u>	<u>NO</u>	<u>N/A</u>
Mercury Analysis?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cyanide Analysis?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ICP-AES (more than 2 point Calib.)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ICP-MS (more than 2 point calib.)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ACTION:

If no, qualify the associated sample results \geq MDL as estimated "J" and non-detects as "UJ".

NOTE:

The correlation coefficient shall be calculated by the data validator using standard concentrations and the corresponding instrument response (e.g. absorbance, peak area, peak height, etc.).

A.1.12 Initial and Continuing Calibration Verification- Form IIA

A.1.12.1 Present and complete for every metal and cyanide?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Present and complete for ICP-AES and ICP-MS when both these methods were used for the same analyte?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ACTION:

If no for any of the above, prepare a Telephone Record Log and contact PO/TOPO for re-submittal from the laboratory.

A.1.12.2 Was a Continuing Calibration Verification performed every 10 samples or every 2 hours whichever is more frequent?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
---	-------------------------------------	--------------------------	--------------------------

ACTION:

If no for any of the above, write in the Contract-Problem/Non-Compliance Section of the Data Review Narrative.

A.1.12.3 Was an ICV or a mid-range standard distilled and analyzed with each batch of cyanide samples?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
---	--------------------------	--------------------------	-------------------------------------

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YES	NO	N/A
-----	----	-----

ACTION:

If no for any of the above, write
in the Contract-Problem/Non-Compliance
Section of the Data Review Narrative and
qualify results \geq MDL as estimated (J).

- A.1.12.2 Circle on each Form IIA all percent recoveries
that are outside the contract windows.

Are ICV/CCVs within control limits for:

Metals - 90-110%R?

[✓]	___	___
-----	-----	-----

Hg - 80-120%R?

[✓]	___	___
-----	-----	-----

Cyanide - 85-115%R?

[]	___	[✓]
-----	-----	-----

ACTION:

If no, qualify all samples between a previous technically acceptable CCV
standard and a subsequent technically acceptable CCV standard as
follows as follows:

Qualify as estimated (J) all detects and non-detects,
if the ICV/CCV %R is between 75-89%(65-79% for Hg; 70-84% for CN).
Qualify only positive results(\geq MDL) as "J" if the ICV/CCV %R is
between 111-125%(121-135% for Hg;116-130% for CN). Reject (R) and
red-line only
detects if the recovery is greater than 125% (135% for Hg; 130% for
CN). Reject (R) and red-line all associated results (hits and non-
detects)if the recovery is less than 75%(65% for Hg;70% for CN).

NOTE:

For ICV that does not fall within the acceptance limits,
qualify all samples reported from the analytical run.

- A.1.12.3 Was the distilled ICV or mid-range
standard for cyanide within acceptance
limits (85-115%)?

[]	___	[✓]
-----	-----	-----

ACTION:

If no, Qualify all cyanide results \geq MDL as "J".

A.1.13 CRQL Standard Analysis - Form IIB

- A.1.13.1 For each ICP-AES run, was a CRI

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(CRQL or MDL when MDL > CRQL)
standard analyzed?

(Note: CRI is not required for Al, Ba,
Ca, Fe, Mg, Na and K.)

YES NO N/A

☒ ☐ ☐

For each ICP-MS run, was a CRI
(CRQL or MDL when MDL > CRQL) standard
analyzed for each mass/isotope used
for the analysis?

☐ ☐ ☒ ☐

For each mercury run, was a CRQL
standard analyzed?

☒ ☐ ☐

For each cyanide run, was a CRQL
standard analyzed?

☐ ☐ ☒

ACTION:

If no for any of the above, write
this deficiency in the Contract Problems/
Non-Compliance Section of the Data Review
Narrative, inform CLP PO and flag results
in the affected ranges (detects <2xCRQL) as J
and non-detects UJ.

The affected ranges are:

ICP-AES Analysis - *True Value \pm CRQL

ICP-MS Analysis - *True Value \pm CRQL

Mercury Analysis - *True Value \pm CRQL

Cyanide Analysis - *True Value \pm CRQL

* True value of the CRQL Standard

A.1.13.2 Was a CRQL standard analyzed after the
ICV/ICB, before the final CCV/CCB and
once every 20 analytical samples in
the analytical run for each analysis?

☐ ☒ ☐

ACTION:

If no, write in the Contract Problem/
Non-Compliance Section of the
"Data Review Narrative".

A.1.13.3 Circle on each Form IIB all percent
recoveries that are outside the
acceptance windows.

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Is the CRQL standard within control limits for:

Metals(ICP-AES/ICP-MS)- 70 - 130%?

Mercury- 70 - 130%?

Cyanide - 70 - 130%?

YES NO N/A

<input checked="" type="checkbox"/>	___	___
<input checked="" type="checkbox"/>	___	___
<input type="checkbox"/>	___	<input checked="" type="checkbox"/>

ACTION:

If no, flag detects <2xCRQL as "J" and non-detects as "UJ" if the CRQL standard recovery is between 50-69%. Flag(J) only detects <2xCRQL if the recovery is between 131% and ≤180%. If the recovery is less than 150%, reject(R) and red-line non-detects and detects < 2xCRQL, and flag (J) detects between 2xCRQL and ICV/CCV. Reject and red-line only detects <2xCRQL and flag (J) detects ≥ 2xCRQL but < ICV/CCV if the recovery is > 180%.

NOTE:

1. Qualify all field samples analyzed between a previous technically acceptable analysis of the CRQL standard and a subsequent acceptable analysis of the CRQL standard
2. Flag (J) or reject (R) only the final sample results on Form I's when Sample raw data are within the affected ranges and the CRQL standard is outside the acceptance windows.
3. The samples and the CRQL standard must be analyzed in the same analytical run.

A.1.14 Initial and Continuing Calibration Blanks - Form III

A.1.14.1 Present and complete for all the instruments used for the metals and cyanide analyses?

Was an initial Calibration Blank analyzed after ICV?

Was a continuing Calibration Blank analyzed after every CCV and every 10 samples or every 2 hours, whichever is more frequent?

Were the ICB & CCB values ≥ MDL but < CRQL reported on Form III and flagged "J" by

<input checked="" type="checkbox"/>	___	___
<input checked="" type="checkbox"/>	___	___
<input checked="" type="checkbox"/>	___	___

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	YES	NO	N/A
using MDLs from direct analysis(Preparation Method "NP1")? (Check Form III against the raw data)	[<input checked="" type="checkbox"/>]	[]	[]
<u>ACTION:</u> If no, inform CLP PO/TOPO and make a note in the Contract-Problems/Non-Compliance Section of the "Data Review Narrative".			
A.1.14.2 Circle with red pencil on each Form III all Calib. Blank values that are:			
\geq MDL but \leq CRQL			
$>$ CRQL			
A.1.14.2.1 When MDL < CRQL, is any Calib. Blank value \geq MDL but \leq CRQL?	[<input checked="" type="checkbox"/>]	[]	[]
<u>ACTION:</u> If yes, change sample results \geq MDL but \leq CRQL to the CRQL with a "U". Do not qualify non-detects.			
A.1.14.2.2 When MDL < CRQL, is any Calib. Blank value $>$ CRQL?	[]	[<input checked="" type="checkbox"/>]	[]
<u>ACTION:</u> If yes, reject (R) and red line the associated sample results $>$ CRQL but $<$ ICB/CCB Blank Result. Flag as "J" detects $>$ ICB/CCB blank value but $<$ 10xICB/CCB value. Change the sample results \geq MDL but \leq the CRQL to CRQL with a "U".			
A.1.14.2.3 Is any Calibration Blank value below the negative CRQL?	[]	[<input checked="" type="checkbox"/>]	[]
<u>ACTION:</u> If yes, flag (J) as estimated all associated sample results \geq CRQL but $<$ 10xCRQL.			
<u>NOTE:</u> 1. For ICB that does not meet the technical QC Criteria, apply the action to all samples			

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YES	NO	N/A
-----	----	-----

reported from the analytical run.

2. For CCBs that do not meet the technical QC criteria, apply the action to all samples analyzed between a previous technically acceptable analysis of CCB and a subsequent technically acceptable analysis of the CCB in the analytical run.,

A.1.15 Preparation Blank - FORM III

NOTE: The Preparation Blank for mercury is the same as the calibration blank.

A.1.15.1 Was one Preparation Blank prepared with and analyzed for:

Each Sample Delivery Group (SDG)?

<input checked="" type="checkbox"/>	_____	_____
-------------------------------------	-------	-------

Each batch of the SDG samples digested/distilled?

<input checked="" type="checkbox"/>	_____	_____
-------------------------------------	-------	-------

Each matrix type?

<input checked="" type="checkbox"/>	_____	_____
-------------------------------------	-------	-------

All instruments used for metals and cyanide analyses?

<input checked="" type="checkbox"/>	_____	_____
-------------------------------------	-------	-------

ACTION:

If no for any of the above, flag as estimated (J) all the associated positive data $< 10 \times \text{MDL}$ for which the Preparation Blank was not analyzed.

NOTE:

If only one blank was analyzed for more than 20 samples, then the first 20 samples analyzed are not estimated (J), but all additional samples must be qualified (J).

A.1.15.2 Circle with red pencil on each Form III all Prep. Blank values that are:

$\geq \text{MDL}$ but $\leq \text{CRQL}$, and

$> \text{CRQL}$

A.1.15.2.1 When $\text{MDL} < \text{CRQL}$, is any preparation blank value $\geq \text{MDL}$ but $\leq \text{CRQL}$?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
-------------------------------------	--------------------------	-------

ACTION:

If yes, change sample result $\geq \text{MDL}$

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YES NO N/A

but \leq CRQL to CRQL with a "U".

A.1.15.2.2 When the MDL \leq CRQL, is any Preparation Blank value greater than its CRQL?

___ [☒] ___

If yes, is the Prep. Blank value greater than the value of the associated Field Blank collected and analyzed with the SDG samples?

___ [☐] ☒

If yes, is the lowest concentration of that analyte in the associated samples less than 10 times the Preparation Blank value?

___ [☐] ☒

ACTION:

If yes, reject (R) and red-line all associated sample results greater than the CRQL but less than the Prep.Blank value. Flag as "J" detects > Prep. Blank value but <10xPrep.Blank. If the sample result \geq MDL but \leq CRQL, replace it with CRQL-U.

If the Prep. Blank value is less than the same analyte value in the Field Blank, do not qualify the sample results due to the Prep. Blank criteria.

NOTE:

Convert soil sample result to mg/Kg on wet weight basis to compare with the soil Prep. Blank result on Form III.

A.1.15.2.3 Is the Prep. Blank concentration below the negative CRQL?

___ [☒] ___

ACTION:

If yes, flag (J) all associated sample results less than 10xCRQL. Qualify non-detects as estimated (UJ).

A.1.15.2.4 When the MDL is greater than the CRQL, is the preparation blank concentration on Form III greater than two times the MDL?

___ [☐] ☒

ACTION:

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	<u>YES</u>	<u>NO</u>	<u>N/A</u>
--	------------	-----------	------------

If yes, reject (R) and red-line all positive sample results with sample raw data less than 10 times the Preparation Blank value.

A.1.16 ICP-AES/ICP-MS Interference Check Sample (ICS) - Form IV
NOTE: Not required for CN, Hg, Al, Ca, Fe and Mg.

A.1.16.1 Present and complete? [☒] ☐ ☐

Was ICS analyzed at the beginning and end of each analytical run, and once for every 20 analytical samples? [☐] [☒] ☐

Was ICS analyzed at the beginning of the ICP-MS analytical run? [☐] ☐ [☒

ACTION:

If no, flag as estimated (J) all sample results.

A.1.16.2 ICP-AES Method

A.1.16.2.1 ICSA Solution:

For ICP-AES, are the ICSA "Found" analyte values within the control limits \pm of CRQL of the true/established mean value? [☒] ☐ ☐

If no for any of the above, is the sample concentration of Al, Ca, Fe, or Mg in the same units (ug/L or MG/KG) greater than or equal to its respective concentration in the ICSA Solution on Form IV? [☐] ☐ [☒

ACTION:

If yes, apply the following action to all samples analyzed between a previous technically acceptable analysis of the ICS and a subsequent technically acceptable analysis of the ICS in the analytical run:

Flag (J) as estimated only sample results \geq MDL

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YES NO N/A

for which the ICSA "Found" value is greater than (True value+CRQL). Do not qualify non-detects. If the ICSA "Found" value is less than (True value-CRQL), flag non-detects as "UJ" and detects as "J".

A.1.16.2.3 ICSAB Solution

For ICP-AES, are all analyte results in ICSAB within the control limits of 80-120 of the true/established mean value?

☒ _____ _____

If no for any of the above, is the sample concentration of Al, Ca, Fe, or Mg in the same units (ug/L or MG/KG) greater than or equal to its respective concentration in the ICSAB Solution on Form IV?

☐ _____ ☒

ACTION:

If yes, apply the following action to all samples analyzed between a previous technically acceptable analysis of the ICS and a subsequent technically acceptable analysis of the ICS in the analytical run:

Flag (J) as estimated those associated sample results \geq MDL for which the ICSAB analyte recovery is greater than 120% but \leq 150%. If the ICSAB recovery falls within 50-79%, qualify sample results \geq MDL as "J" and non-detects as "UJ". Reject (R) and red-line all sample results (detects & non-detects) for which the ICSAB analyte recovery is less than 50%. If the recovery is above 150%, reject (R) and red-line only positive results.

A.1.16.3 ICP-MS Method

A.1.16.3.1 ICSA Solution:

For ICP-MS, are the ICSA "Found" analyte values within the control limits of \pm CRQL of the true/established mean value?

☐ _____ ☒

ACTION:

If no, apply the following action to all samples reported from the analytical run:

Flag (J) as estimated only sample results \geq MDL if the ICSA "Found" value is greater than (True value+CRQL). Do not qualify non-detects. If the ICSA "Found" value is less than (True value-CRQL), flag the associated sample detects as "J" and non-detects as "UJ".

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YES NO N/A

A.1.16.3.3 ICSAB Solution

For ICP-MS, are all analyte results in ICSAB within the control limits of 80-120% of the true/established mean value, whichever is greater?

[] — ✓

ACTION:

If no, apply the following action to all samples reported from the analytical run:

Flag (J) as estimated those associated sample results \geq MDL for which the ICSAB analyte recovery is greater than 120% but \leq 150%. If the ICSAB recovery falls within 50-79% flag (J) as estimated the associated sample results \geq MDL. Reject (R) and red-line those all sample detects and non-detects for which the ICSAB analyte recovery is less than 50%. If the recovery is above 150%, reject (R) and red-line only detects (\geq MDL).

A.1.17 Spiked Sample Recovery: Pre-Digestion/Pre-Distillation)-Form V A
Note: Not required for Ca, Mg, K, and Na (both matrices); Al and Fe (soil only)

A.1.17.1 Was Matrix Spike analysis performed:

For each matrix type?

[✓] — —

For each SDG?

[✓] — —

On one of the SDG samples?

[✓] — —

For each concentration range (i.e., low, med., high)?

[✓] — —

For each analytical Method (ICP-AES, ICP-MS, Hg, CN) used?

[✓] — —

Was a spiked sample prepared and analyzed with the SDG samples?

[✓] — —

ACTION:

If no for any of the above, flag as estimated (J) all the positive data for which a spiked sample was not analyzed.

NOTE:

If more than one spiked sample were analyzed for one SDG, then qualify the associated data based on the worst spiked sample analysis.

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YES NO N/A

- A.1.17.2 Was a field blank or PE sample used
for the spiked sample analysis?

___ [☒] ___

ACTION:

If yes, flag (J) as estimated positive data of the associated SDG samples for which field blank or PE sample was used for the spiked sample analysis.

- A.1.17.3 Circle on each Form VA all spike recoveries that are outside the control limits (75-125%) that have sample concentrations less than four times the added spike concentrations.

Are all recoveries within the control limits when sample concentrations are less than or equal to four times the spike concentrations?

[] / ___

NOTE:

Disregard the out of control spike recoveries for analytes whose concentrations are greater than or equal to four times the spike added.

Are results outside the control limits (75-125%) flagged with Lab Qualifier "N" on Form I's and Form VA?

[] / ___

ACTION:

If no for any of the above, write in the Contract - Problems/Non-Compliance Section of the Data Review Narrative.

- A.1.17.4 Aqueous

Are any spike recoveries:

(a) less than 30%?

___ [] /

(b) between 30-74%?

___ [] /

(c) between 126-150%?

___ [] /

(d) greater than 150%?

___ [] /

ACTION:

If the matrix spike recovery is less than 30%, reject (R) and red-line all associated aqueous data (detects & non-detects). If between 30-74%, qualify all associated aqueous data \geq MDL as "J" and non-detects

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YES NO N/A

as "UJ". If between 126-150%, flag (J)
all data \geq MDL as "J". If greater than 150%,
reject (R) and red-line all associated data \geq MDL.

(NOTE: Replace "N" with "J", "R" as appropriate.)

A.1.17.5 Soil/Sediment

Are any spike recoveries:

(a) less than 10%?

☐ ☒ ☐

(b) between 10-74%?

☒ ☐ ☐

(c) between 126-200%?

☒ ☐ ☐

(d) greater than 200%?

☒ ☐ ☐

ACTION:

If yes for any of the above, proceed
as follows:

If the matrix spike recovery is less
than 10%, reject (R) and red-line all
associated data (detects & non-detects);
if between 10-74%, qualify all associated
data \geq MDL as "J" and non-detects as "UJ";
if between 126-200%, flag (J) all associated
data \geq MDL as "J" If greater than 200%, reject
(R) and red-line all associated data \geq MDL.
(NOTE: Replace "N" with "J" or "R" as appropriate.)

*both were rejected by
professional
judgment*

A.1.18 Lab Duplicates) - Form VI

A.1.18.1 Was the lab duplicate analysis performed:

For each SDG?

☐ ☒ ☐

On one of the SDG samples?

☐ ☒ ☐

For each matrix type?

☐ ☒ ☐

For each concentration range
(low or med.)?

☐ ☒ ☐

For each analytical Method
(ICP-AES/ICP-MS, Hg, CN) Used?

☐ ☒ ☐

Was a lab duplicate prepared and
analyzed with the SDG samples?

☐ ☒ ☐

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YES NO N/A

ACTION:

If no for any of the above, flag (J) as estimated all the SDG sample results (detects & non-detects) for which the lab duplicate analysis was not performed.

NOTE:

If more than one lab duplicate sample were analyzed for an SDG, then qualify the associated samples based on the worst lab duplicate analysis.

- A.1.18.2 Was a Field Blank or PE sample used for the Lab Duplicate analysis?

_____ ☐ _____ /

ACTION:

If yes, flag as estimated (J) all SDG sample results (hits & non-detects) for which Field Blank or PE sample was used for duplicate analysis.

- A.1.18.3 Circle on each Form VI all values that are:

RPD > 20%, or

Absolute Difference > CRQL

Are all values within control limits (RPD \leq 20% or absolute difference \leq \pm CRQL)?

☐ _____ /

If no, are all results outside the control limits flagged with an "*" (Lab Qualifier) on Form VI and on all Form I's?

☐ _____ /

ACTION:

If no, write in the Contract-Problems/ Non-Compliance Section of the Data Review Narrative.

NOTE:

The laboratory is not required to report on Form VI the RPD when both values are non-detects.

- A.1.18.4 Aqueous

- A.1.18.4.1 When sample and duplicate values are both \geq 5xCRQL (substitute MDL for CRQL when MDL > CRQL),

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	<u>YES</u>	<u>NO</u>	<u>N/A</u>
is any RPD > 20% but < 100%?	___	[]	✓
is any RPD ≥ 100%?	___	[]	✓

ACTION:

If the RPD is > 20% but < 100%, flag (J) as estimated the associated sample data ≥ CRQL. If the RPD is ≥ 100%, reject (R) and red-line the associated sample data ≥ CRQL.

(NOTE: Replace "*" with "J" or "R" as appropriate.)

A.1.18.4.2 When the sample and/or duplicate value < 5xCRQL (substitute MDL for CRQL when MDL > CRQL), is the absolute difference between sample and duplicate values:

> ± CRQL?	___	[]	✓
> ± 2xCRQL?	___	[]	✓

ACTION:

If the absolute difference is > CRQL, flag as estimated all the associated sample results ≥ MDL but < 5xCRQL as "J" and non-detects as "UJ". If the absolute difference is > 2xCRQL, reject (R) and red-line all the associated non-detects and detects ≥ MDL but < 5xCRQL.

NOTE:

1. Replace "*" with "J", "UJ" or "R" as appropriate.)
2. If one value is > CRQL and the other value is non-detect, calculate the absolute difference between the value > CRQL and the MDL, and use this difference to qualify sample results.

A.1.18.5 Soil/Sediment

A.1.18.5.1 When sample and duplicate values are both ≥ 5xCRQL (substitute MDL for CRQL when MDL > CRQL),

is any RPD ≥ 35% but < 120%?	___	[]	✓
is any RPD ≥ 120%?	___	[]	✓

ACTION:

If the RPD is ≥ 35% and < 120%, flag (J) as estimated the associated sample

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YES NO N/A

data \geq CRQL. If the RPD is \geq 120%, reject
(R) and red-line the associated sample
data \geq CRQL.

A.1.18.5.2 When the sample and/or duplicate value
< 5xCRQL (substitute MDL for CRQL when MDL > CRQL),
is the absolute difference between sample
and duplicate:

> \pm 2 x CRQL?

_____ ☐ _____

> \pm 4 x CRQL

_____ ☐ _____

ACTION:

If the absolute difference is > 2 x CRQL,
flag all the associated sample results \geq MDL
but < 5xCRQL as "J" and non-detects as "UJ".
If the absolute difference is > 4xCRQL, reject
(R) and red-line all the associated non-detects
and detects \geq MDL but < 5xCRQL.

NOTE:

1. Replace "*" with "J", "UJ" or "R" as appropriate.)
2. If one value is > CRQL and the other value is non-detect,
calculate the absolute difference between the value > CRQL
and the MDL, and use this difference to qualify sample results.

A.1.19 Field Duplicates

Aqueous Field Duplicates

A.1.19.1 Was an aqueous Field Duplicate pair
collected and analyzed?
(Check Sampling Trip Report)

☐ _____

ACTION:

If yes, prepare a Form (Appendix A.4) for each
aqueous Field Duplicate pair. Report the sample
and Field Duplicate results on Appendix A.4 from
their respective Form I's. Calculate and report RPD
on Appendix A.4 when sample and its Field Duplicate
values are both > 5xCRQL. Calculate and report the
absolute difference on Appendix A.4 when at least one
value (sample or duplicate) is < 5xCRQL. Evaluate the
aqueous Field Duplicate analysis in accordance with the

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YES NO N/A

QC criteria stated in Sections A.1.19.2 and A.1.19.3.

NOTE:

1. Do not transfer "*" from Form I's to Appendix A.4.
2. Do not calculate RPD when both values are non-detects.
3. Substitute MDL for CRQL when MDL > CRQL.
4. If one value is >CRQL and the other value is non-detect, calculate the absolute difference between the value > CRQL and the MDL, and use this the criteria to qualify the results.

A.1.19.2 Circle all values on the Form (Appendix A.4)
for Field Duplicates that have:

RPD \geq 20% or

Difference $> \pm$ CRQL

When sample and duplicate values are
both $\geq 5 \times \text{CRQL}$ (substitute MDL for CRQL when
MDL > CRQL),

is any RPD \geq 20%?

_____ ☐ /

is any RPD \geq 100%?

_____ ☐ /

ACTION:

If the RPD is >20% but < 100%, flag (J) only
the associated sample and its Field Duplicate
results \geq CRQL. If the RPD is \geq 100%, reject (R)
and red-line only the associated sample and its
Field Duplicate result \geq CRQL.

A.1.19.3 When the sample and/or duplicate value(s)
< $5 \times \text{CRQL}$ (substitute MDL for CRQL when MDL > CRQL),
is the absolute difference between sample
and duplicate:

$> \pm$ CRQL?

_____ ☐ /

$> \pm 2 \times \text{CRQL}$?

_____ ☐ /

ACTION:

If the absolute difference is $> \text{CRQL}$,
flag detects \geq MDL but $< 5 \times \text{CRQL}$ as "J"
and non-detects as "UJ". If the difference
is $> 2 \times \text{CRQL}$, reject (R) and red-line non-detects

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YES NO N/A

and results \geq MDL but $< 5 \times \text{CRQL}$ of the sample
and its Field Duplicate.

Soil/Sediment Field Duplicates

- A.1.19.4 Was a soil field duplicate pair
collected and analyzed?
(Check Sampling Trip Report)

☒ ☐ ☐

ACTION:

If yes, for each soil Field Duplicate
pair proceed as follows:

Prepare Appendix A.4 for each Field Duplicate
pair. Report on Appendix A.4 all sample and its
Field Duplicate results in MG/KG from their
respective Form I's. Calculate and report RPD when
sample and its duplicate values are both greater
than $5 \times \text{CRQL}$. Calculate and report the
absolute difference when at least one value
(sample or duplicate) is $< 5 \times \text{CRQL}$. Evaluate the
Field Duplicate analysis in accordance with the
QC Criteria stated in Sections A.1.19.5 and A.1.19.6.

NOTE:

1. Do not transfer "*" from Form I's to Appendix A.4.
2. Do not calculate RPD when both values are non-detects.
3. Substitute MDL for CRQL when $\text{MDL} > \text{CRQL}$.
4. If one value is $> \text{CRQL}$ and the other
value is non-detect, calculate the
absolute difference between the
value $> \text{CRQL}$ and the MDL, and apply
the criteria to qualify the results.

- A.1.19.5 Circle on each Appendix A.4 all
values that have:

$\text{RPD} \geq 35\%$, or Difference $> \pm 2 \times \text{CRQL}$
When sample and duplicate values
are both $\geq 5 \times \text{CRQL}$ (substitute MDL for
CRQL when $\text{MDL} > \text{CRQL}$),

is any $\text{RPD} \geq 35\%$ but $< 120\%$?

☐ ☒ ☐

is any $\text{RPD} \geq 120\%$?

☒ ☐ ☐

ACTION:

If the RPD is $\geq 35\%$ but $< 120\%$,

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YES NO N/A

flag only the associated sample
and its Field Duplicate results
 \geq CRQL as "J". If the RPD is \geq 120%,
reject (R) and red-line only the sample
and its Field Duplicate results \geq CRQL.

A.1.19.6 When the sample and/or duplicate value(s)
 $< 5 \times \text{CRQL}$ (substitute MDL for CRQL when MDL $>$ CRQL),
 is the absolute difference between sample
 and Field Duplicate:

$> \pm 2 \times \text{CRQL}?$

 / []

$> \pm 4 \times \text{CRQL}?$

 [] /

ACTION:

If the absolute difference is $> 2 \times \text{CRQL}$, flag
Sample and its Field Duplicate results \geq MDL
but $< 5 \times \text{CRQL}$ as "J" and non-detects as "UJ".
If the difference is $> 4 \times \text{CRQL}$, reject (R) and
red-line non-detects and detects \geq MDL but
 $< 5 \times \text{CRQL}$ of the sample and its Field Duplicate.

A.1.20 Laboratory Control Sample (LCS)- Form VII

A.1.20.1 Was one LCS prepared and analyzed for:

Each SDG?

[✓]

Each matrix type?

[✓]

Each batch samples digested/distilled?
For each Method (ICP-AES, ICP-MS, Hg, CN)
used?

[✓]
[✓]

Was an LCS prepared and analyzed with
the samples?

[✓]

ACTION:

If no for any of the above, prepare
Telephone Record Log and contact
CLP PO or TOPO for submittal of the
LCS results. Flag (J) as estimated all
the data for which an LCS was not
analyzed.

NOTE:

If only one LCS was analyzed for

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more than 20 samples, then the first
20 samples analyzed are not flagged(J),
but all additional samples must be
qualified (J).

YES NO N/A

A.1.20.2 Aqueous LCS

Circle on each Form VII the LCS percent
recoveries outside control limits 80-120%.

NOTE: 1. Use digested ICV as LCS for aqueous mercury
2. Use distilled ICV as LCS for aqueous cyanide

Is any LCS recovery:

Less than 50%?

— [/] —

Between 50% and 79%?

— [/] —

Between 121% and 150%?

— [/] —

Greater than 150%?

— [/] —

ACTION:

If the LCS recovery is less than 50%,
reject (R) and red-line all associated
sample data (detects & non-detects); for
a recovery between 50-79%, flag detects
as "J" all non-detects as "UJ". if the LCS
recovery is between 121-150%, flag only
detects as "J". if the recovery is greater
than 150%, reject (R) and red-line all detects.

A.1.20.3 Solid LCS

If an analyte's MDL is equal to or
greater than the true value of LCS,
disregard the "Action" below for that
analyte even though the LCS is out of
control limits.

Is the LCS "Found" value greater
than the Upper Control Limit
reported on Form VII?

— [/] —

ACTION:

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	<u>YES</u>	<u>NO</u>	<u>N/A</u>
--	------------	-----------	------------

If yes, flag (J) all the associated
detects \geq MDL as estimated (J).

Is the LCS "Found" value lower
than the Lower Control Limit
reported on Form VII?

—	[/]	—
---	-------	---

ACTION:

If yes, flag detects as "J" and
non-detects as "UJ".

A.1.21 ICP-AES/ICP-MS Serial Dilution - Form VIII

NOTE: Serial dilution analysis is required only
when the initial concentration is equal to or
greater than 50 x MDL.

A.1.21.1 Was a Serial Dilution analysis
performed:

For each SDG?

[/]	—	—
-------	---	---

On one of the SDG samples?

[/]	—	—
-------	---	---

For each matrix type?

[/]	—	—
-------	---	---

For each concentration range
(low or med.)?

[/]	—	—
-------	---	---

Was a Serial Dilution sample
analyzed with the SDG samples?

[/]	—	—
-------	---	---

ACTION:

If no for any of the above, flag
as estimated (J) detects \geq MDL of
all the SDG samples for which the
ICP Serial Dilution Analysis was
not performed.

A.1.21.2 Was a Field Blank or PE sample used
for the Serial Dilution Analysis?

—	[/]	—
---	-------	---

ACTION:

If yes, flag as estimated (J) detects
 \geq MDL of all the SDG samples

A.1.21.3 Circle on Form VIII the Percent Differences
(%D) between sample results and its dilution
results that are outside the control limits $\pm 10\%$

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YES NO N/A

when initial concentrations $\geq 50 \times$ MDLs.

Are results outside the control limits flagged with an "E" (Lab Qualifier) on Form VIII and all Form I's?

☐

☐

☒

ACTION:

If no, write in the Contract-Problem/Non-Compliance Section of the Data Review Narrative.

A.1.21.4 Are any %D values:

> 10%?

☐

☒

☐

$\geq 100\%$?

☐

☒

☐

ACTION:

If the Percent Difference (%D) is greater than 10%, flag (J) as estimated all associated samples whose raw data \geq MDL; if the %D is $\geq 100\%$, reject (R) and red-line all associated samples with raw data \geq MDL.

(NOTE: Replace "E" with "J" or "R" as appropriate.)

A.1.22 Total/Dissolved or Inorganic/Total Analytes

A.1.22.1 Were any analyses performed for dissolved as well as total analytes on the same sample(s)?

☐

☒

☐

Were any analyses performed for inorganic as well as total analytes on the same sample(s)?

☐

☒

☐

ACTION:

If yes, prepare a Form (Appendix A.5) to compare the differences between dissolved (or inorganic) and total analyte concentrations. Compute each difference on Appendix A.5 as a percent of the total analyte only when both of the following conditions are fulfilled:

- (1) The dissolved (or inorganic) concentration is greater than total concentration, and
- (2) greater than or equal to $5 \times$ MDL.

A.1.22.2 Is any dissolved (or inorganic) concentration greater than its total concentration by more than 20%?

☐

☐

☒

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YES NO N/A

A.1.22.3 Is any dissolved (or inorganic)
concentration greater than its
total concentration by more than 50%?

___ [] /

ACTION:

If the percent difference is greater
than 20%, flag (J) both dissolved/inorganic
and total concentrations as estimated. If
the difference is more than 50%, reject (R)
and red-line both the values.

A.1.23 Field Blank - Form I

NOTE: Designate "Field Blank" as such on Form I

A.1.23.1 Was a Field/Rinsate Blank collected
and analyzed with the SDG samples?

[/] ___ ___

If yes, is any Field/Rinsate Blank
absolute value of an analyte on Form I
greater than its CRQL (or 2xMDL when MDL > CRQL)?

___ [/] ___

If yes, circle the Field Blank value
on Form I that is greater than the
CRQL, (or 2 x MDL when MDL > CRQL).

Is any Field Blank value greater
than CRQL also greater than the
Preparation Blank value?

___ [] /

If yes, is the Field Blank value
(> CRQL and > the prep. blank value)
already rejected due to other QC
criteria?

[] ___ /

ACTION:

If the Field Blank value was not rejected,
reject all associated sample data (except
the Field Blank results) greater than the
CRQL but less than the Field Blank value.
Reject on Form I's the soil sample results
whose raw values in ug/L in the instrument
printout are greater than the CRQL but less
than the Field Blank value in ug/L. Flag as
"J" detects between the Field Blank value and
10x Field Blank value. If the sample result \geq MDL
but \leq CRQL, replace it with CRQL-U.

If the Field Blank value is less than the

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YES NO N/A

Prep. Blank value, do not qualify the sample results due to the Field Blank criteria.

NOTE:

1. Field Blank result previously rejected due to other criteria cannot be used to qualify field samples.
2. Do not use Rinsate Blank associated with soils to qualify water samples and vice versa.

A.1.24 Verification of Instrumental Parameters - Form IX, XA, XB, XI

A.1.24.1 Is verification report present for:

Method Detection Limits (Form IX-Annually)?	<input checked="" type="checkbox"/>	___	___
ICP-AES Interelement Correction Factors (Form XA & XB -Quarterly)?	<input checked="" type="checkbox"/>	___	___
ICP-AES & ICP-MS Linear Ranges (Form XI-Quarterly)?	<input checked="" type="checkbox"/>	___	___

ACTION:

If no, contact CLP PO/TOPO for submittal from the laboratory.

A.1.24.2 Method Detection Limits - Form IX

A.1.24.2.1 Are MDLs present on Form IX for:

All the analytes?	<input checked="" type="checkbox"/>	___	___
All the instruments used?	<input checked="" type="checkbox"/>	___	___
Digested and undigested samples and Calib.Blanks?	<input checked="" type="checkbox"/>	___	___
ICP-AES and ICP-MS when both instruments are used for the same analyte?	<input type="checkbox"/>	___	<input checked="" type="checkbox"/>

ACTION:

If no for any of the above, prepare Telephone Record Log and contact CLP PO/TOPO for submittal of the MDLs from the laboratory. Report to CLP PO and write in the Contract Problems/Non-Compliance Section of the Data Review Narrative if the MDL concentration is not less than ½ CRQL.

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	<u>YES</u>	<u>NO</u>	<u>N/A</u>
A.1.24.2.2 Is MDL greater than the CRQL for any analyte?	—	[<input checked="" type="checkbox"/>]	—

If yes, is the analyte concentration on Form I greater than 5 x MDL for the sample analyzed on the instrument whose MDL exceeds CRQL?

[]	—	[<input checked="" type="checkbox"/>]
-----	---	---

ACTION:

If no, flag as estimated (J) all values less than five times MDL for the analyte whose MDL exceeds the CRQL.

A.1.24.3 Linear Ranges - Form XI

A.1.24.3.1 Was any sample result higher than the high linear range for ICP-AES or ICP-MS?

—	[<input checked="" type="checkbox"/>]	—
---	---	---

Was any sample result higher than the highest calibration standard for mercury or cyanide?

—	[<input checked="" type="checkbox"/>]	—
---	---	---

If yes for any of the above, was the sample diluted to obtain the result reported on Form I?

[]	—	[<input checked="" type="checkbox"/>]
-----	---	---

ACTION:

If no, flag (J) as estimated the affected detects (\geq MDL) reported on Form I.

A.1.25 ICP-MS Tune Analysis - Form XIV

A.1.25.1 Was the ICP-MS instrument tuned prior to calibration?

[]	—	[<input checked="" type="checkbox"/>]
-----	---	---

ACTION:

If no, reject (R) and red-line all sample data for which tuning was not performed.

A.1.25.2 Was the tuning solution analyzed or scanned at least five times consecutively?

[]	—	[<input checked="" type="checkbox"/>]
-----	---	---

Were all the required isotopes spanning the analytical range present in the tuning solution?

[]	—	[<input checked="" type="checkbox"/>]
-----	---	---

Was the mass resolution within

USEPA Region 2
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Data Assessment and Contract Compliance Review

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	YES	NO	N/A
0.1 amu for each isotope in the tuning solution?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Was %RSD less than 5% for each isotope of each analyte in the tuning solution?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ACTION:

If no for any of the above, qualify all results \geq MDL associated with that Tune as estimated "J", and all non-detects associated with that Tune as "UJ".

A.1.26 ICP-MS Internal Standards - Form XV

A.1.26.1 Were the Internal Standards added to all the samples and all QC samples and calibration standards (except the Tuning Solution)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--	--------------------------	--------------------------	-------------------------------------

Were all the target analyte masses bracketed by the masses of the five internal standards?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--	--------------------------	--------------------------	-------------------------------------

ACTION:

If none of the Internal Standards was added to the samples, reject (R) and red-line all the associated sample data (detects & non-detects). If internal standards were used but did not cover all the analyte masses, reject (R) and red-line only the analyte results not bracketed by the internal standard masses.

A.1.26.2 Was the intensity of an Internal Standard in each sample within 60-125% of the intensity of the same Internal Standard in the calibration blank?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
---	--------------------------	--------------------------	-------------------------------------

If no, was the original sample diluted two fold, Internal Standard added and the sample re-analyzed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--	--------------------------	--------------------------	-------------------------------------

Was the %RI for the two fold diluted sample within the acceptance limits (60-125%)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
---	--------------------------	--------------------------	-------------------------------------

ACTION:

If no for any of the above, flag detects as "J" and non-detects "UJ" of all the analytes with atomic masses between the atomic mass of the internal standard lighter

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than the affected internal standard, and the
atomic mass of the internal standard heavier
than the affected internal standard.

A.1.27 Percent Solids of Sediments

A.1.27.1 Are percent solids in sediment(s):

< 50%? _____ [✓] _____

ACTION:

If yes, qualify as estimated (J) all detects and
non-detects of a sample that has percent solids
less than 50% (i.e., moisture content greater than 50%).

NOTE:

Flag(J) only the sample results
that were not previously flagged
due to other QC criteria.

Inorganic Data Review Narrative

Case# _____ Site: _____ Matrix: Soil _____
SDG# _____ Lab: _____ Water _____
Sampling Team: _____ Reviewer: _____ Other _____

A.2.1 Data Validation Flags:

The following flags may have been applied in red by the data validator and must
be considered by the data user.

- J - This flag indicates the result qualified as estimated
- R and Red-Line - A red-line drawn through a sample result indicates unusable value.
The red-lined data are known to contain significant errors based on
documented information and must not be used by the data user.
- U - This data validation qualifier is applied to sample results
≥ MDL when associated blank is contaminated
- Fully Usable Data - The results that do not carry "J" or "red-line" are fully
usable.

A.2.2 Laboratory Qualifiers:

The CLP laboratory applies a contractual qualifier on all

Glen Isle, NYSDEC, Project Number: RWI1401

Site: Glen Isle
Laboratory: Test America Buffalo, NY
Report No.: 480-55092-1
Reviewer: Christina Rink and Josephine Go /Laboratory Data Consultants for RXR
Glen Isle Partners, LLC
Date: March 25, 2014

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
CC-C-029-0-2	480-55092-1	SVOC, Pesticides
CC-C-029-8-10**	480-55092-2	SVOC**, Pesticides**
CC-C-041-0-2	480-55092-3	SVOC, Pesticides
CC-C-041-2-4	480-55092-4	SVOC, Pesticides
CC-C-041-8-10	480-55092-5	SVOC, Pesticides
FB003-GW	480-55092-6	VOC, SVOC
FB026	480-55092-7	SVOC, Pesticides
TB	480-55092-8	VOC
CC-C-029-2-4**	480-55092-9	SVOC**, Pesticides

Associated QC Samples(s):

Field/Trip Blanks: FB003-GW, TB, FB026

Field Duplicate pair: None Associated

The above-listed soil and water samples were collected on February 19, 2014 and were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260C, semivolatile organic compounds (SVOCs) by SW-846 method 8270D, and pesticides by SW-846 method 8081B. The data validation was performed in accordance with the *USEPA Region II Functional Guidelines for Evaluating Organic Analyses* (September 2006) and the *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA 540-R-08-01* (June 2008), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- GC/Electron Capture Detector (GC/ECD) Instrument Performance Checks
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Moisture Content
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers with the exception listed below.

The SVOC nondetect results for benzaldehyde in samples CC-C-029-8-10** and CC-C-029-2-4** were rejected (R) due to exceedances in the continuing calibration percent difference. The results are not usable for project objectives, which may have a major impact on the data usability.

Samples indicated by a double asterisk on the front cover underwent Category B review. A Category A review was performed on all of the other samples. Calibration and raw data were not evaluated for the samples reviewed by Category A criteria since this review is based on QC data.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

VOC and SVOC

All criteria were met. GC/MS tunes were not reviewed for samples reviewed by Category A criteria.

GC/ECD Instrument Performance Checks

Pesticide

All criteria were met. GC/ECD instrument performance checks were not reviewed for samples reviewed by Category A criteria.

Initial and Continuing Calibrations

Initial and continuing calibrations were not reviewed for samples reviewed by Category A criteria.

SVOC

Compounds that did not meet criteria in the SVOC calibrations are summarized in the following table.

Continuing calibration:

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
2/25/14	V8201	Hexachlorocyclopentadiene	21.3	CC-C-029-8-10**	XX	UJ nondetects
2/25/14	V8202	Benzaldehyde	90.4	CC-C-029-8-10**	XXX	R nondetects
2/27/14	V8302	Hexachlorocyclopentadiene	30.0	CC-C-029-2-4**	XX	UJ nondetects
		4-Nitrophenol	21.2		XX	UJ nondetects
2/27/14	V8305	Benzaldehyde	91.1	CC-C-029-2-4**	XXX	R nondetects
2/7/14	V7680 (ICV)	Benzaldehyde	117.6	CC-C-029-8-10** CC-C-029-2-4**	SS	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J) positive and blank-qualified (UJ) results only.

XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.

SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.

XXX = Continuing calibration (CC) and second source verification percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.

+ = Response factor (RRF) < 0.05 or <0.01 and <0.005 for poor performing compounds; Estimate (J) positive results and reject (R) nondetect results.

- = Criteria were met.

The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

The SVOC nondetect results for benzaldehyde in samples CC-C-029-8-10** and CC-C-029-2-4** were rejected (R) due to exceedances in the continuing calibration percent difference. The results are not usable for project objectives, which may have a major impact on the data usability.

Pesticide

Compounds that did not meet criteria in the Pesticide calibrations are summarized in the following table.

Continuing calibration:

Date	Instrument ID	Column	Compound	CC %D	Associated Samples		Validation Action
2/25/14	5-5198	RTX-CLP I	Heptachlor	33.8	CC-C-029-8-10**	XX	UJ nondetects
			Aldrin	35.2			UJ nondetects
			Heptachlor epoxide	30.4			UJ nondetects
			Endosulfan I	22.6			UJ nondetects
			Dieldrin	20.6			UJ nondetects

- X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J) positive and blank-qualified (UJ) results only.
- XX = Continuing calibration (CC) and second source verification percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
- XXX = Continuing calibration (CC) and second source verification percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
- = Criteria were met.

The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Blanks

VOC

Contamination was not detected in the method blanks.

Contamination was not detected in the trip blank TB for the VOC analyses.

Contamination was detected in the field blank FB003-GW for the VOC analyses. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected. The following table summarizes the contamination detected.

Field Blank ID	Compound	Level Detected	Action Level	Associated Samples
FB003-GW	Methylene chloride	0.53 ug/L	<2x RL	No associated samples in this SDG

SVOC

Contamination was not detected in the method blanks.

Contamination was detected in the field blanks FB0030-GW and FB026 for the SVOC analyses. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <RL of the concentrations detected. The following table summarizes the contamination detected.

Field Blank ID	Compound	Level Detected	Action Level	Associated Samples
FB026	Di-n-butylphthalate	0.59 ug/L	<RL	CC-C-029-0-2 CC-C-029-8-10** CC-C-041-0-2 CC-C-041-2-4 CC-C-041-8-10 CC-C-029-2-4**

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.

Qualified sample results are listed in the table below.

Sample ID	Compound	Level Detected	Validation Action
CC-C-041-0-2	Di-n-butylphthalate	180 ug/Kg	190U ug/Kg

These results can be used for project objectives as nondetects (U) which may have a minor impact on the data usability.

Pesticide

Contamination was detected in the associated pesticide method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at < RL for contaminants. The following table summarizes the contamination detected.

Blank ID	Compound	Level Detected	Action Level	Associated Samples
MB 480-167475/1-A	delta-BHC	0.524 ug/Kg	<RL	CC-C-029-0-2 CC-C-041-0-2 CC-C-041-2-4 CC-C-041-8-10
MB 480-167623/1-A	delta-BHC	0.371 ug/Kg	<RL	CC-C-029-8-10**

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and \leq the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and \leq the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

Qualified sample results are listed in the table below.

Sample ID	Compound	Level Detected	Validation Action
CC-C-029-0-2	delta-BHC	3.9 ug/Kg	19U ug/Kg

These results can be used for project objectives as nondetects (U) which may have a minor impact on the data usability.

No positive results were found in the field blanks FB026 for pesticide analyses.

Surrogate Recoveries

VOC and SVOC

All criteria were met.

Pesticide

Surrogates were recovered outside of control limits for samples CC-C-029-0-2, CC-C-041-0-2, CC-C-041-2-4, CC-C-041-8-10, and CC-C-029-2-4. No actions were taken for samples analyzed at greater than 5X dilution.

MS/MSD Results

VOC, SVOC, and Pesticide

MS/MSD analyses were not performed for the VOC, SVOC, and pesticide analyses.

LCS Results

VOC and SVOC

All criteria were met.

Pesticide

The following table lists the compounds recovered outside of control limits in the SVOC analyses and the resulting validation actions.

LCS ID	Compound	LCS %R (Limits)	LCS/D %R (Limits)	RPD (Limits)	Affected Sample	Validation Action
LCS/D 4180-167536/2,3-A	2,4-Dinitrophenol	136 (46-134)	139 (46-134)	-	FB026	None

- Within control limits

Validation action was not required for 2,4-Dinitrophenol due to high LCS/LCSD recoveries as positive results only are affected and these compounds were not detected in the associated sample.

Internal Standards

VOC and SVOC

All criteria were met. Internal standards were not reviewed for samples reviewed by Category A criteria.

Moisture Content

VOC, SVOC, and Pesticide

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the MDL in the VOC, SVOC, and Pesticide analyses. These results were qualified as estimated (J) by the laboratory.

Due to high target compound levels or difficult sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. QLs were elevated accordingly.

Sample	SVOC Analysis Reported
CC-C-029-0-2	5-fold dilution due to nature of sample matrix
CC-C-041-2-4	
CC-C-041-0-2	20-fold dilution for butylbenzylphthalate due to high analyte levels
CC-C-041-8-10	10-fold dilution due to nature of sample matrix

Sample	Pesticide Analysis Reported
CC-C-029-0-2	10-fold dilution due to nature of sample matrix
CC-C-041-0-2	
CC-C-041-8-10	
CC-C-041-2-4	100-fold dilution due to nature of sample matrix

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

The following table lists the GC dual column RPDs for pesticide which were outside of control limits and the resulting actions. The direction of the bias cannot be determined from this nonconformance. All results are usable as nondetects or estimated values.

Sample	Compound	RPD (%)	Validation Actions
CC-C-029-8-10**	4,4'-DDE	59.96	J detects
	4,4'-DDT	63.62	J detects
CC-C-029-8-10**	4,4'-DDD	79.01	1.8U ug/Kg

For %RPD between 26 and 70%; estimate (J) the positive result.

For %RPD between 71 and 100%; qualify the result as presumptively present (JN).

For %RPD >50% and the result < QL; raise the value to the QL and qualify as nondetect (U).

For %RPD > 100% and interference is present; qualify the result as presumptively present (JN).

For %RPD > 100% and interference is not present; reject (R) result.

DATA VALIDATION QUALIFIERS

- U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.
- J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified “J” data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The ‘J’ data may be biased high or low or the direction of the bias may be indeterminable.
- UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified “UJ” data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The ‘UJ’ data may be biased low.
- JN - The analysis indicates the presence of a compound that has been “tentatively identified” (N) and the associated numerical value represents its approximate (J) concentration.
- R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

METHOD: GC/MS Volatiles (EPA SW 846 Method 8270C) ^{8260C}

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/19/14
II.	GC/MS Instrument performance check	N	Not reviewed for Cat A review.
III.	Initial calibration	N	Not reviewed for Cat A review.
IV.	Continuing calibration/ICV	N	Not reviewed for Cat A review.
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	CS
VIII.	Laboratory control samples	A	LCS
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	N	
XI.	Target compound identification	A	Not reviewed for Cat A review.
XII.	Compound quantitation/RL/LOQ/LODs	SW	Not reviewed for Cat A review. MDL < Results < RL = Jdets A
XIII.	Tentatively identified compounds (TICs)	N	Not reviewed for Cat A review.
XIV.	System performance	A	Not reviewed for Cat A review.
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	SW	FB = 1 TB = 2

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

*ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

Water

1 ⁺	FB003-GW	11	MB 480-167269/7	21		31	
2 ⁻	TB	12		22		32	
3		13		23		33	
4		14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

LDC #: 31445 B1a**VALIDATION FINDINGS WORKSHEET**
Field BlanksPage: 1 of 1Reviewer: JVG2nd Reviewer: CR**METHOD:** GC/MS VOA (EPA SW 846 Method 8260C)Y N N/A Were field blanks identified in this SDG?Y N N/A Were target compounds detected in the field blanks?Blank units: ug/L Associated sample units: NASampling date: 2/19/14Field blank type: (circle one) Field Blank Rinsate / Trip Blank / Other: _____ Associated Samples: None

Compound	Blank ID	Sample Identification								
	1									
E	0.53									

Blank units: _____ Associated sample units: _____

Sampling date: _____

Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: _____ Associated Samples: _____

Compound	Blank ID	Sample Identification								

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

Common contaminants such as Methylene chloride, Acetone, 2-Butanone and Carbon disulfide that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

YES NO N/A

I. PACKAGE COMPLETENESS AND DELIVERABLES

CASE NUMBER/ SDG # : 314452 / 480-55092-1 LAB: Test America Buffalo

SITE NAME: Glen Isle

1.0 Data Completeness and Deliverables

1.1 Has all data been submitted in CLP deliverable
format or CLP Forms Equivalent? ☒ 1 1

ACTION: If not, note the effect on review of the data in
the Data Assessment narrative.

2.0 Cover Letter, SDG Narrative

2.1 Is a laboratory narrative, and/or cover letter
signed release present? ☒ 1 1

2.2 Are case number and SDG number(s) contained
in the narrative or cover letter? ☒ 1 1

ACTION: If not, note the effect on review of the data in
the Data Assessment narrative.

II. VOLATILE ANALYSES

1.0 Traffic Reports and Laboratory Narrative

1.1 Are the Traffic Reports, and/or Chain of Custodies
from the field samplers present for all samples
sign release present? ☒ 1 1

ACTION: If no, contact the laboratory/sampling team for replacement
of missing or illegible copies.

1.2 Is a sampling trip report present (if required)? ☒ 1 1

1.3 Sample Conditions/Problems

YES NO N/A

- 1.3.1 Do the Traffic Reports, Chain of Custodies, or Lab Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special notations affecting the quality of the data? 1

ACTION: If all the VOA vials for a sample have air bubbles or the VOA vial analyzed had air bubbles, flag all positive results "J" and all non-detects "R".

ACTION: If any sample analyzed as a soil, other than TCLP, contains 50%-90% water, all data should be flagged as estimated ("J"). If a soil sample, other than TCLP, contains more than 90% water, flag all positive results "J" and all non-detects "R".

ACTION: If samples were not iced or if the ice was melted upon receipt at the laboratory and the temperature of the cooler was elevated ($>10^{\circ}\text{C}$), flag all positive results "J" and all non-detects non"UJ".

2.0 Holding Times

- 2.1 Have any volatile holding times, determined from date of collection to date of analysis, been exceeded? 1

The maximum holding time for aqueous samples is 14 days.

The maximum holding time for soils non aqueous samples is 14 days.

NOTE: If unpreserved, aqueous samples maintained at 4°C for aromatic hydrocarbons analysis must be analyzed within 7 days. If preserved with HCL acid to a $\text{pH}<2$ and stored at 4°C , then aqueous samples must be analyzed within 14 days from time of collection. For non-aqueous samples for volatile components that are frozen (less than 7°C) or are properly cooled ($4^{\circ}\text{C} \pm 2^{\circ}\text{C}$) and perserved with NaHSO_4 , the maximum holding time is 14 days from sample collection. If

YES NO N/A

uncertain about preservation, contact the laboratory /sampling team to determine whether or not samples were preserved.

ACTION: Qualify sample results according to Table 1:

Table 1. Holding Time Actions for Trace Volatile Analysis

Matrix	Preserved	Criteria	Action	
			Detected Associated Compounds	Non-Detected Associated Compounds
Aqueous	No	≤ 7 days	No qualifications	
	No	> 7 days	J	R
	Yes	≤ 14 days	No qualifications	
	Yes	> 14 days	J	R
Non Aqueous	No	≤ 14 days	J	R
	Yes	≤ 14 days	No qualifications	
	Yes/No	> 14 days	J	R

3.0 Surrogate Recovery (CLP Form II Equivalent)

3.1 Have the volatile surrogate recoveries been listed on Surrogate Recovery forms for each of the following matrices:

a. Water

☒ ☐ ☐

b. Soil

☒ ☐ ☒

3.2 If so, are all the samples listed on the appropriate Surrogate Recovery forms for each matrix:

a. Water

☒ ☐ ☐

b. Soil

☒ ☐ ☒

ACTION: If large errors exist, deliverables are unavailable or information is missing, document the effect(s) in Data

YES NO N/A

Assessments and contact the laboratory/project officer/appropriate official for an explanation /resubmittal, make any necessary corrections and document effect in the Data Assessment.

- 3.3 Were the surrogate recovery limits followed ^{lab limits.} ~~per Table 2~~. If Table 2 criteria were not followed, the laboratory may use in-house performance criteria (per SW-846, Method 8000C, section 9.7). Other compounds may be used as surrogates, depending upon the analysis requirements. ☒ ☐ ☐

Table 2. Surrogate Spike Recovery Limits for Water and Soil/Sediments

DMC	Recovery Limits (%)Water	Recovery Limits Soil/Sediment
4-Bromofluorobenzene	80-120	70-130
Dibromofluoromethane	80-120	70-130
Toluene-d ₈	80-120	70-130
Dichloroethane-d ₄	80-120	70-130

Note: Use above table if laboratory did not provide in house recovery criteria.

Note: Other compounds may be used as surrogated depending upon the analysis requirements.

- 3.4 Were outliers marked correctly with an asterisk? ☐ ☐ ☒

ACTION: Circle all outliers with a red pencil.

- 3.5 Were one or more volatile surrogate recoveries out of specification for any sample or method blank. Table 2. ☐ ☒ ☐

If yes, were samples reanalyzed? ☐ ☐ ☒

Were method blanks reanalyzed? ☐ ☐ ☒

YES NO N/A

ACTION: If all surrogate recoveries are > 10% but 1 or more compounds do not meet method specifications:

1. Flag all positive results as estimated ("J").
2. Flag all non-detects as estimated detection limits ("UJ") when recoveries are less than the lower acceptance limit.
3. If recoveries are greater than the upper acceptance limit, do not qualify non-detects, but qualify positive results as estimated "J".

If any surrogate has a recovery of < 10%:

1. Positive results are qualified with ("J").
2. Non-detects for that should be qualified as unusable ("R").

NOTE: Professional judgement should be used to qualify data that have method blank surrogate recoveries out of specification in both original and reanalyses. The basic concern is whether the blank problems represent an isolated problem with the blank alone or whether there is a fundamental problem with the analytical process. If one or more samples in the batch show acceptable surrogate recoveries, the reviewer may choose the blank problem to be an isolated occurrence.

3.6 Are there any transcription/calculation errors between raw data and reported data?

11 /

ACTION: If large errors exist, take action as specified in section 3.2 above.

4.0 Laboratory Control Sample (Form III/Equivalent)

4.1 Is the LCS prepared, extracted, analyzed, and reported once for every 20 field samples of a similar matrix, per SDG.

14 /

YES NO N/A

Note: LCS consists of an aliquot of a clean (control) matrix similar to the sample matrix and of the same weight or volume.

ACTION: If any Laboratory Control Sample data are missing, call the lab for explanation /resubmittals. Make note in the data assessment.

4.2 Were the Laboratory Control Samples analyzed at the required frequency for each of the following matrices:

A. Water	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. Soil	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
C. Med Soil	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Note: The LCS is spiked with the same analytes at the same concentrations as the matrix spike (SW-846 8000C, Section 9.5). If different make note in data assessment. Matrix/LCS spiking standards should be prepared from volatile organic compounds which are representative of the compounds being investigating. At a minimum, the matrix spike should include 1,1-dichloroethene, trichloroethene, chlorobenzene, toluene, and benzene.

ACTION: If any MS/MD, MS/MSD or replicate data are missing, take the action specified in 3.2 above.

4.3 Have in house LCS recovery limits been developed (Method 8000C, Sect 9.7). ☒ ☐ ☐

4.4 If in house limits are not developed, are LCS acceptance recovery limits between 70 - 130% (Method 8000c Sect 9.5)? ☐ ☐ ☒

4.5 Were one or more of the volatile LCS recoveries outside the in house laboratory recovery criteria for spiked analytes? ~~If in house limits are not present use 70 - 130% recovery limits.~~ ☐ ☒ ☐

YES NO N/A

Table 3. LCS Actions for Volatile Analysis

Criteria	Action	
	Detected Spiked Compounds	Non-Detected Spiked Compounds
%R > Upper Acceptance Limit	J	No Qualifiers
%R < Lower Acceptance Limit	J	UJ
Lower Acceptance Limit ≤ %R	No Qualifications	

5.0 Matrix Spikes (Form III or equivalent)

5.1 Are all data for matrix spike and matrix duplicate or matrix spike duplicate (MS/MD or MS/MSD) present and complete for each matrix? 11 — —

NOTE: The laboratory should use one matrix spike and a duplicate analysis of an unspiked field sample if target analytes are expected in the sample. If the sample is not expected to contain target analytes, a MS/MSD should be analyzed (SW-846, Method 8260B, Sect 8.4.2).

5.2 Have MS/MD or MS/MSD results been summarized on modified CLP Form III? 11 — —

ACTION: If any data are missing take action as specified in section 3.2 above.

5.3 Were matrix spikes analyzed at the required frequency for each of the following matrices? (One MS/MD, MS/MSD or laboratory replicate must be performed for every 20 samples)

YES NO N/A

of similar matrix or concentration level. Laboratories analyzing one to ten samples per month are required to analyze at least one MS per month [page 8000C, section 9.5.])

- | | | | |
|---------------|-------------------------------------|--------------------------|-------------------------------------|
| a. Water | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b. Waste | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c. Soil/Solid | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Note: The LCS is spiked with the same analytes at the same concentrations as the matrix spike (SW-846 8000C, Section 9.5). If different make note in data assessment. Matrix/LCS spiking standards should be prepared from volatile organic compounds which are representative of the compounds being investigating. At a minimum, the matrix spike should include 1,1-dichloroethene, trichloroethene, chlorobenzene, toluene, and benzene. The concentration of the LCS should be determined as described SW-Method 8000C Section 9.5.

ACTION: If any MS/MD, MS/MSD or replicate data are missing, take the action specified in 3.2 above.

5.4 Have in house MS recovery limits been developed (Method 8000C, Sect 9.7) for each matrix. ☒ ☐ ☐

5.5 Were one or more of the volatile MS/MSD recoveries outside of the in-house laboratory recovery criteria for spiked analytes? If none are present, then use 70-130% recovery as per SW-846, 8000C, Sect. 9.5.4. ☒ ☐ ☒

ACTION: Circle all outliers with a red pencil.

NOTE: If any individual % recovery in the MS (or MSD) falls outside the designated range for recovery the reviewer should determine if there is a matrix effect. A matrix effect is indicated if the LCS data are within limits but the MS data exceeds the limits.

YES NO N/A

NOTE: No qualification of data is necessary on MS and MSD data alone. However, using informed professional judgement, the data reviewer may use MS and MSD results in conjunction with other QC criteria to determine the need for some qualification.

Note: The data reviewer should first try to determine to what extent the results of the MS and MSD affect the associated data. This determination should be made with regard to the MS and MSD sample itself, as well as specific analytes for all samples associated with the MS and MSD.

Note: In those instances where it can be determined that the results of the MS and MSD affect only the sample spiked, limit qualification to this sample only. However, it may be determined through the MS and MSD results that a laboratory is having a systematic problem in the analysis of one or more analytes that affect all associated samples, and the reviewer must use professional judgement to qualify the data from all associated samples.

Note: The reviewer must use professional judgement to determine the need for qualification of non-spiked compounds.

ACTION: Follow criteria in Table 4 when professional judgement deems qualification of sample.

Table 4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Actions for Volatile Analysis

Criteria	Action	
	Detected Spiked Compounds	Non-Detected Spiked Compounds
%R > Upper Acceptance Limit	J	No Qualifiers
%R < Lower Acceptance Limit	J	UJ
Lower Acceptance Limit ≤ %R	No Qualifications	

YES NO N/A

6.0 Blank (CLP Form IV Equivalent)

6.1 Is the Method Blank Summary form present? ☒ ☐ ☐

6.2 Frequency of Analysis: Has a method blank been analyzed for every 20 (or less) samples of similar matrix or concentration or each extraction batch? ☒ ☐ ☐

6.3 Has a method blank been analyzed for each GC/MS system used ? ☒ ☐ ☐

ACTION: If any blank data are missing, take action as specified above (section 3.2). If blank data is not available, reject @ all associated positive data. However, using professional judgement, the data reviewer may substitute field blank data for missing method blank data.

6.4 Chromatography: review the blank raw data - chromatograms, quant reports or data system printouts.

Is the chromatographic performance (baseline stability) for each instrument acceptable for volatile organic compounds? ☒ ☐ ☐

7.0 Contamination

NOTE: "Water blanks", "drill blanks" and "distilled water blanks" are validated like any other sample and are not used to qualify the data. Do not confuse them with the other QC blanks discussed below.

7.1 Do any method/instrument/reagent blanks have positive results for target analytes and/or TICs? When applied as described below, the contaminant concentration in these blanks are multiplied by the sample dilution factor and corrected for percent moisture where necessary. ☐ ☒ ☐

YES NO N/A

7.2 Do any field/rinse blanks have positive
volatile organic compound results?

 / 1

ACTION: Prepare a list of the samples associated with each
of the contaminated blanks. (Attach a separate
sheet.)

NOTE: All field blank results associated to a particular
group of samples (may exceed one per case or one
per day) may be used to qualify data. Blanks may
not be qualified because of contamination in
another blank. Field blanks must be qualified for
surrogate, or calibration QC problems.

ACTION: Follow the directions in Table 5 below to qualify
sample results due to contamination. Use the
largest value from all the associated blanks.

Table 5. Volatile Organic Analysis Blank Contamination Criteria

Blank Type	Blank Result	Sample Result	Action for Samples
Method, Storage, Field, Trip, Instrument**	Detects	Not detected	No qualification
	< CRQL*	< CRQL	Report CRQL value with a U
		≥ CRQL	Use professional judgement
	> CRQL*	< CRQL	Report CRQL value with a U
		≥ CRQL and < blank contamination	Report the concentration for the sample with a U, or qualify the data as unusable R
		≥ CRQL and ≥ blank contamination	Use professional judgement
	= CRQL*	< CRQL	Report CRQL value with a U
		≥ CRQL	Use professional judgement
	Gross contamination	Detects	Qualify results as unusable R

* 2x the CRQL for methylene chloride, 2-butanone, and acetone

** Qualifications based on instrument blank results affect only the sample analyzed immediately after the sample that has target compounds that exceed the calibration range or non-target compounds that exceed 100 ug/L.

NOTE: If gross blank contamination exists(e.g., saturated peaks, "hump-o-grams," "junk" peaks), all affected positive compounds in the associated samples should be qualified as unusable "R", due to interference. Non-detected volatile organic target compounds do not require qualification unless the contamination is so high that it interferes with the analyses of non-detected compounds.

YES NO N/A

7.3 Are there field/rinse/equipment blanks associated with every sample?

☒ 1 — —

ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

8.0 GC/MS Apparatus and Materials

8.1 Did the lab use the proper gas chromatographic column(s) for analysis of volatiles by Method 8260B? Check raw data, instrument logs or contact the lab to determine what type of column(s) was (were) used.

☒ 1 — —

NOTE: For the analysis of volatiles, the method requires the use of 60 m. x 0.75 mm capillary column, coated with VOCOL(Supelco) or equivalent column. (see SW-846, page 8260B-7, section 4.9.2)

ACTION: If the specified column, or equivalent, was not used, document the effects in the Data Assessment. Use professional judgement to determine the acceptability of the data.

9.0 GC/MS Instrument Performance Check (CLP Form V Equivalent)

9.1 Are the GC/MS Instrument Performance Check forms present for Bromofluorobenzene (BFB), and do these forms list the associated samples with date/time analyzed?

☒ 1 — —

9.2 Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the BFB provided for each twelve hour shift?

☒ 1 — —

9.3 Has an instrument performance check solution (BFB)

YES NO N/A

been analyzed for every twelve hours of sample analysis per instrument? (see Table 4, SW-846, page 8260B-36)

☒ ☐ ☐

ACTION: List date, time, instrument ID, and sample analyses for which no associated GC/MS GC/MS tuning data are available.

ACTION: If the laboratory/project officer cannot provide missing data, reject ("R") all data generated outside an acceptable twelve hour calibration interval.

ACTION: If mass assignment is in error, flag all associated sample data as unusable, "R".

9.4 Have the ion abundances been normalized to m/z 95?

☒ ☐ ☐

9.5 Have the ion abundance criteria been met for each instrument used?

☒ ☐ ☐

ACTION: List all data which do not meet ion abundance criteria (attach a separate sheet).

ACTION: If ion abundance criteria are not met, take action as specified in section 3.2.

9.6 Are there any transcription/calculation errors between mass lists and reported values? (Check at least two values but if errors are found, check more.)

☐ ☒ ☐

9.7 Have the appropriate number of significant figures (two) been reported?

☒ ☐ ☐

ACTION: If large errors exist, take action as specified in section 3.2.

9.8 Are the spectra of the mass calibration compounds acceptable.

☒ ☐ ☐

ACTION: Use professional judgement to determine whether associated data should be accepted, qualified, or rejected.

YES NO N/A

10.0 Target Analytes (CLP Form I Equivalent)

10.1 Are the Organic Analysis reporting forms present with required header information on each page, for each of the following:

- | | | | |
|--|--------------------------|--------------------------|-------------------------------------|
| a. Samples and/or fractions as appropriate | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b. Matrix spikes and matrix spike duplicates | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c. Blanks | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d. Laboratory Control Samples | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

10.2 Are the reconstructed Ion Chromatograms, mass spectra for the identified compounds, and the data system printouts (Quant Reports) included in the sample package for each of the following?

- | | | | |
|---|--------------------------|--------------------------|-------------------------------------|
| a. Samples and/or fractions as appropriate | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b. Matrix spikes and matrix spike duplicates
(Mass spectra not required) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c. Blanks | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d. Laboratory Control Samples | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

ACTION: If any data are missing, take action specified in 3.2 above.

10.3 Is chromatographic performance acceptable with respect to:

- | | | | |
|---------------------|--------------------------|--------------------------|-------------------------------------|
| Baseline stability? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|---------------------|--------------------------|--------------------------|-------------------------------------|

YES NO N/A

Resolution?

☒ ☐ ☐

Peak shape?

☒ ☐ ☐

Full-scale graph (attenuation)?

☒ ☐ ☐

Other: _____

ACTION: Use professional judgement to determine the acceptability of the data.

10.4 Are the lab-generated standard mass spectra of identified volatile compounds present for each sample? ☒ ☐ ☐

ACTION: If any mass spectra are missing, take action specified in 3.2 above. If the lab does not generate their own standard spectra, make a note in the Data Assessment. If spectra are missing, contact the lab for missing spectra.

10.5 Is the RRT of each reported compound within 0.06 RRT units of the standard RRT in the continuing calibration? ☒ ☐ ☐

10.6 Are all ions present in the standard mass spectrum at a relative intensity greater than 10% (of the most abundant ion) also present in the sample mass spectrum? ☒ ☐ ☐

10.7 Do the relative intensities of the characteristic ions in the sample agree within $\pm 30\%$ of the corresponding relative intensities in the reference spectrum? ☒ ☐ ☐

ACTION: Use professional judgement to determine acceptability of data. If it is determined that incorrect identifications were made, all such data should be rejected ("R"), flagged ("N") - Presumptive evidence of the presence of the compound) or changed to non detected ("U") at the calculated detection limit. In order to be

YES NO N/A

positively identified, the data must comply with the criteria listed in 9.6, 9.7, and 9.8.

ACTION: When sample carry-over is a possibility, professional judgement should be used to determine if instrument cross-contamination has affected any positive compound identification.

11.0 Tentatively Identified Compounds (TIC) (CLP Form I/TIC Equivalent)

11.1 If Tentatively Identified Compound were required for this project, are all Tentatively Identified Compound reporting forms present; and do listed TICs include scan number or retention time, estimated concentration and a qualifier? ☒ ☐ ☐

NOTE: Add "N" qualifier to all TICs which have CAS number, if missing.

NOTE: Have the project officer/appropriate official check the project plan to determine if lab was required to identify non-target analytes (SW-846, page 8260B-23, Sect. 7.6.2).

11.2 Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following:

a. Samples and/or fractions as appropriate ☒ ☐ ☐

b. Blanks ☒ ☐ ☐

ACTION: If any TIC data are missing, take action specified in 3.2 above.

ACTION: Add "JN" qualifier only to analytes identified by a CAS#.

NOTE: If TICs are present in the associated blanks take action as specified in section 3.2 above.

YES NO N/A

11.3 Are any priority pollutants listed as TIC compounds (i.e., an BNA compound listed as a VOA TIC)? ☒ ☐ ☐

ACTION: 1. Flag with "R" any target compound listed as a TIC.
2. Make sure all rejected compounds are properly reported if they are target compounds.

11.4 Are all ions present in the reference mass spectrum with a relative intensity greater than 10% (of the most abundant ion) also present in the sample mass spectrum? ☒ ☐ ☐

11.5 Do TIC and "best match" standard relative ion intensities agree within $\pm 20\%$? ☒ ☐ ☐

ACTION: Use professional judgement to determine acceptability of TIC identifications. If it is determined that an incorrect identification was made, change the identification to "unknown" or to some less specific identification (example: "C3 substituted benzene") as appropriate. Also, when a compound is not found in any blank, but is a suspected artifact of a common laboratory contaminant, the result should be qualified as unusable, "R". (Common lab contaminants: CO₂ (M/E 44), Siloxanes (M/E 73), Hexane, Aldol Condensation Products, Solvent Preservatives, and related byproducts).

12.0 Compound Quantitation and Reported Detection Limits

12.1 Are there any transcription/calculation errors in organic analysis reporting form results? Check at least two positive values. Verify that the correct internal standard, quantitation ion, and average initial RRF/CF were used to calculate organic analysis reporting form result. Were any errors found? ☒ ☐ ☐

NOTE: Structural isomers with similar mass spectra, but insufficient GC resolution (i.e. percent valley between the two peaks > 25%) should be

YES NO N/A

reported as isomeric pairs. The reviewer should check the raw data to ensure that all such isomers were included in the quantitation (i.e., add the areas of the two coeluting peaks to calculate the total concentration).

12.2 Are the method CRQL's adjusted to reflect sample dilutions and, for soils, sample moisture?

☒ ☐ ☐

ACTION: If errors are large, take action as specified in section 3.2 above.

ACTION: When a sample is analyzed at more than one dilution, the lowest detection limits are used (unless a QC accedence dictates the use of the higher detection limit from the diluted sample data). Replace concentrations that exceed the calibration range in the original analysis by crossing out the "E" and it's associated value on the original reporting form (if present) and substituting the data from the analysis of the diluted sample. Specify which organic analysis reporting form is to be used, then draw a red "X" across the entire page of all reporting forms that should not be used, including any in the summary package.

13.0 Standards Data (GC/MS)

13.1 Are the Reconstructed Ion Chromatograms, and data system printouts (Quant Reports) present for initial and continuing calibration?

☒ ☐

ACTION: If any calibration standard data are missing, take action specified in section 3.2 above.

14.0 GC/MS Initial Calibration (CLP Form VI Equivalent)

YES NO N/A

14.1 Are the Initial Calibration reporting forms present and complete for the volatile fraction? 11 — —

ACTION: If any calibration forms or standard raw data are missing, take action specified in section 3.2 above.

ACTION: If the percent relative standard deviation (% RSD) is > 20%, (8000C-39) qualify positive results for that analyte "J". When % RSD > 90%,. Qualify all positive results for that analyte "J" and all non-detects results for that analyte "R".

14.2 Are all average RRFs > 0.050? 11 — —

NOTE: (Method Requirement) For SPCC compounds, the individual RRF values must be \geq the values in the following list. If individual RRF values reported are below the listed values document in the Data Assessment.

Chloromethane	0.10
1,1-Dichloroethane	0.10
Bromoform	0.10
Chlorobenzene	0.30
1,1,2,2-Tetrachloroethane	0.30

ACTION: Circle all outliers with red pencil.

ACTION: For any target analyte with average RRF < 0.05, or for the requirements for the 5 compounds in 14.2 above, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R".

14.3 Are response factors stable over the concentration range of the calibration. 11 — —

NOTE: (Method Requirement) For the following CCC compounds, the %RSD values must be \leq 30.0%. If %RSD values reported are > 30.0% document in the Data Assessment.

YES NO N/A

1,1-Dichloroethene
Chloroform
1,2-Dichloropropane
Toluene
Ethylbenzene
Vinyl chloride

ACTION: Circle all outliers with a red pencil.

ACTION: If the % RSD is > 20.0%, or > 30% for the 6 compounds in 14.3 above, qualify positive results for that analyte "J" and non-detects using professional judgement. When RSD > 90%, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R".

NOTE: The above data qualification action applies regardless of method requirements.

NOTE: Analytes previously qualified "U" due to blank contamination are still considered as "hits" when qualifying for calibration criteria.

14.4 Was the % RSD determined using RRF or CF?

11 — —

If no, what method was used to determine the linearity of the initial calibration? Document any effects to the case in the Data Assessment.

14.5 Are there any transcription/calculation errors in the reporting of RRF or % RSD? (Check at least two values but if errors are found, check more.)

11 — —

ACTION: Circle errors with a red pencil.

ACTION: If errors are large, take action as specified in section 3.2 above.

15.0 GC/MS Calibration Verification (CLP Form VII Equivalent)

YES NO N/A

15.1 Are the Calibration Verification reporting forms present and complete for all compounds of interest? 11 — —

15.2 Has a calibration verification standard been analyzed for every twelve hours of sample analysis per instrument? 11 — —

ACTION: List below all sample analyses that were not within twelve hours of a calibration verification analysis for each instrument used.

ACTION: If any forms are missing or no calibration verification standard has been analyzed twelve hours prior to sample analysis, take action as specified in section 3.2 above. If calibration verification data are not available, flag all associated sample data as unusable ("R").

15.3 Was the % D determined from the calibration verification determined using RRF or CF? 11 — —

If no, what method was used to determine the calibration verification? Document any effects to the case in the Data Assessment.

15.4 Do any volatile compounds have a % D (difference or drift) between the initial and continuing RRF or CF which exceeds 20% (SW-846, page 8260B-19, section 7.4.5.2). 11 — —

NOTE: (Method Requirement) For the following CCC compounds, the %D values must be $\leq 20.0\%$. If %D values reported are $> 20.0\%$ document in the Data Assessment.

1,1-Dichloroethene
Chloroform
1,2-Dichloropropane
Toluene
Ethylbenzene
Vinyl chloride

YES NO N/A

ACTION: Circle all outliers with a red pencil.

ACTION: Qualify both positive results and non-detects for the outlier compound(s) as estimated, "J". When %D is above 90%, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R".

NOTE: The above data qualification action applies regardless of method requirements.

15.5 Do any volatile compounds have a RRF < 0.05? ☐ ☒ ☐

NOTE: (Method Requirement) For SPCC compounds, the individual RRF values must be \geq the values in the following list for each calibration verification. If average RRF values reported are below the listed values document in the data assessment.

Chloromethane	0.10
1,1-Dichloroethane	0.10
Bromoform	0.10
Chlorobenzene	0.30
1,1,2,2-Tetrachloroethane	0.30

ACTION: Circle all outliers with a red pencil.

ACTION: If RRF < 0.05, or < the requirements for the 5 compounds in section 15.5 above, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R".

NOTE: The above data qualification action applies regardless of method requirements.

16.0 Internal Standards (CLP Form VIII Equivalent)

16.1 Are the internal standard (IS) areas on the internal standard reporting forms of every sample and blank within the upper and lower limits (-50% to + 100%) for each initial mid-point calibration (SW-846, 8260B-20, Sect. 7.4.7)? ☐ ☒ ☐

YES NO N/A

ACTION: If errors are large or information is missing, take action as specified in section 3.2 above.

ACTION: List each outlying internal standard below.

Sample ID	IS #	Area Lower Limit	Area Upper Limit
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

(Attach additional sheets if necessary.)

- ACTION:
1. If the internal standard area count is outside the upper or lower limit, flag with "J" all positive results quantitated with this internal standard.
 2. Do not qualify non-detects when the associated IS are counts area > + 100%.
 3. If the IS area is below the lower limit (< - 50%), qualify all associated non-detects (U-values) "J".
 4. If extremely low area counts are reported (< - 25%) or if performance exhibits a major abrupt drop off, flag all associated non-detects as unusable "R" and positive results as estimated "J".

16.2 Are the retention times of all internal standards within 30 seconds of the associated initial mid-point calibration standard (SW-846, 8260B-20, Sect. 7.4.6)? 1 — —

ACTION: Professional judgement should be used to qualify data if the retention times differ by more than 30 seconds.

YES NO N/A

17.0 Field Duplicates

17.1 Were any field duplicates submitted for
volatile analysis?

11 ~~1~~ 1

ACTION: Compare the reported results for field duplicates and
calculate the relative percent difference.

ACTION: Any gross variation between field duplicate
results must be addressed in the Data Assessment.
However, if large differences exist, take action
specified in section 3.2 above.

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270^D_C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/19/14
II.	GC/MS Instrument performance check	A	Not reviewed for Cat A review.
III.	Initial calibration	A	Not reviewed for Cat A review. ? RSD $\leq 20\%$ r ²
IV.	Continuing calibration/ICV	SW	Not reviewed for Cat A review. CCV $\leq 20\%$ ICV $\leq 30\%$
V.	Blanks	A	
VI.	Surrogate spikes	SW	
VII.	Matrix spike/Matrix spike duplicates	N	CS
VIII.	Laboratory control samples	A	LCS 16
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	A	Not reviewed for Cat A review.
XII.	Compound quantitation/RL/LOQ/LODs	SW	Not reviewed for Cat A review. MDL < Results < RL = Jdets / A
XIII.	Tentatively identified compounds (TICs)	N	Not reviewed for Cat A review.
XIV.	System performance	A	Not reviewed for Cat A review.
XV.	Overall assessment of data	SW	
XVI.	Field duplicates	N	
XVII.	Field blanks	SW	FB = 7, 8

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

* ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

1	CC-C-029-0-2 (5x) S	11	MB 480-167265/1-A	21		31	
2	CC-C-029-8-10 **	12	-167424/1-A	22		32	
3	CC-C-041-0-2	13	-167347/1-A	23		33	
4	CC-C-041-0-2DL (20x)	14		24		34	
5	CC-C-041-2-4 (5x)	15		25		35	
6	CC-C-041-8-10 (10x)	16		26		36	
7	FB003-GW W	17		27		37	
8	FB026	18		28		38	
9	CC-C-029-2-4 ** S	19		29		39	
10		20		30		40	

(#4 dil due to exceedance) - AAA
(1, 5, 6 dil due to matrix)

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS SVOA

A. Phenol	T. 4-Chloroaniline	MM. 4-Chlorophenyl-phenyl ether	FFF. Di-n-octylphthalate	YYY. 2,3,5-Trimethylnaphthalene
B. Bis (2-chloroethyl) ether	U. Hexachlorobutadiene	NN. Fluorene	GGG. Benzo(b)fluoranthene	ZZZ. Perylene
C. 2-Chlorophenol	V. 4-Chloro-3-methylphenol	OO. 4-Nitroaniline	HHH. Benzo(k)fluoranthene	AAAA. Dibenzothiophene
D. 1,3-Dichlorobenzene	W. 2-Methylnaphthalene	PP. 4,6-Dinitro-2-methylphenol	III. Benzo(a)pyrene	BBBB. Benzo(a)fluoranthene
E. 1,4-Dichlorobenzene	X. Hexachlorocyclopentadiene	QQ. N-Nitrosodiphenylamine	JJJ. Indeno(1,2,3-cd)pyrene	CCCC. Benzo(b)fluorene
F. 1,2-Dichlorobenzene	Y. 2,4,6-Trichlorophenol	RR. 4-Bromophenyl-phenylether	KKK. Dibenz(a,h)anthracene	DDDD. cis/trans-Decalin
G. 2-Methylphenol	Z. 2,4,5-Trichlorophenol	SS. Hexachlorobenzene	LLL. Benzo(g,h,i)perylene	EEEE. Biphenyl
H. 2,2'-Oxybis(1-chloropropane)	AA. 2-Chloronaphthalene	TT. Pentachlorophenol	MMM. Bis(2-Chloroisopropyl)ether	FFFF. Retene
I. 4-Methylphenol	BB. 2-Nitroaniline	UU. Phenanthrene	NNN. Aniline	GGGG. C30-Hopane
J. N-Nitroso-di-n-propylamine	CC. Dimethylphthalate	VV. Anthracene	OOO. N-Nitrosodimethylamine	HHHH. 1-Methylphenanthrene
K. Hexachloroethane	DD. Acenaphthylene	WW. Carbazole	PPP. Benzoic Acid	IIII. 1,4-Dioxane
L. Nitrobenzene	EE. 2,6-Dinitrotoluene	XX. Di-n-butylphthalate	QQQ. Benzyl alcohol	JJJJ. Acetophenone
M. Isophorone	FF. 3-Nitroaniline	YY. Fluoranthene	RRR. Pyridine	KKKK. Atrazine
N. 2-Nitrophenol	GG. Acenaphthene	ZZ. Pyrene	SSS. Benzidine	LLLL. Benzaldehyde
O. 2,4-Dimethylphenol	HH. 2,4-Dinitrophenol	AAA. Butylbenzylphthalate	TTT. 1-Methylnaphthalene	MMMM. Caprolactam
P. Bis(2-chloroethoxy)methane	II. 4-Nitrophenol	BBB. 3,3'-Dichlorobenzidine	UUU. Benzo(b)thiophene	NNNN.
Q. 2,4-Dichlorophenol	JJ. Dibenzofuran	CCC. Benzo(a)anthracene	VVV. Benzonaphthothiophene	OOOO.
R. 1,2,4-Trichlorobenzene	KK. 2,4-Dinitrotoluene	DDD. Chrysene	WWW. Benzo(e)pyrene	PPPP.
S. Naphthalene	LL. Diethylphthalate	EEE. Bis(2-ethylhexyl)phthalate	XXX. 2,6-Dimethylnaphthalene	QQQQ.


LDC #: 31445 102a

VALIDATION FINDINGS WORKSHEET

Continuing Calibration

Page: 1 of 1

Reviewer: JVG

2nd Reviewer: 

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

YN N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

Y/N/N/A Were percent differences (%D) $\leq 20\%$ and relative response factors (RRF) within the method criteria?

[illegible]

LDC #: 31445 B2a**VALIDATION FINDINGS WORKSHEET**
Field BlanksPage: 1 of 1
Reviewer: JVG
2nd Reviewer: Q**METHOD:** GC/MS BNA (EPA SW 846 Method 8270D)Y N N/A Were field blanks identified in this SDG?Y N N/A Were target compounds detected in the field blanks?Blank units: 15/L Associated sample units: 15/LSampling date: 2/19/14Field blank type: (circle one) Field Blank / Rinsate / Other: Associated Samples: All 5

Compound	Blank ID	Action level	Sample Identification							
	8	(<u>< RL</u>)	3							
XX	0.59		180/190u							

Blank units: Associated sample units:

Sampling date:

Field blank type: (circle one) Field Blank / Rinsate / Other: Associated Samples:

Compound	Blank ID	Sample Identification								

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

Common contaminants such as the phthalates and TICs noted above that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".


LDC #: 01445 B2a

VALIDATION FINDINGS WORKSHEET

Surrogate Recovery

Page: 1 of 1

Reviewer: JVG

2nd Reviewer: 

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualification below for all questions answered "N". Not applicable questions are identified as "N/A".

Y/N/NA Were percent recoveries (%R) for surrogates within QC limits?

Y N (N/A) If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?

Y N N/A

[illegible]

(NBZ) = Nitrobenzene-d5

(FBP) = 2-Fluorobiphenyl

(TPH) = Terphenyl-d14

(PHL) = Phenol-d5

(2FP)= 2-Fluorophenol

(TBP) = 2,4,6-Tribromophenol

(2CP) = 2-Chlorophenol-d4

(DCB) = 1,2-Dichlorobenzene-d₄

LDC #: 31495 B 2a

VALIDATION FINDINGS WORKSHEET

Compound Quantitation and Reported RLs

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: 9

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y/N/A	Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?
Y/N/A	Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?

[illegible]

Comments: See sample calculation verification worksheet for recalculations

LDC #: 31445822

VALIDATION FINDINGS WORKSHEET

Overall Assessment of Data

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: [Signature]

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)


Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

All available information pertaining to the data were reviewed using professional judgement to compliment the determination of the overall quality of the data.

Y/N N/A Was the overall quality and usability of the data acceptable?

[illegible]

Comments:

LDC #: 31445B2a**VALIDATION FINDINGS WORKSHEET**
Initial Calibration Calculation VerificationPage: 1 of 1
Reviewer: JVG
2nd Reviewer: 

METHOD: GC/MS SVOA (EPA SW 846 Method 8270D)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$$RRF = (A_x)(C_{is}) / (A_{is})(C_x)$$

average RRF = sum of the RRFs/number of standards

$$\%RSD = 100 * (S/X)$$

 A_x = Area of Compound C_x = Concentration of compound, S = Standard deviation of the RRFs, A_{is} = Area of associated internal standard C_{is} = Concentration of internal standard X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (IS)	Reported RRF (RRF50 std)	Recalculated RRF (RRF50 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL HP5973V	2/14/2014	Phenol (IS1)	1.6883	1.6883	1.7723	1.7723	3.5	3.5
			Nitrobenzene (IS2)	0.3429	0.3429	0.3533	0.3533	3.0	3.0
			2,4,5-TCP (IS3)	0.4000	0.4000	0.4081	0.4081	5.4	5.4
			Hexachlorobenzene (IS4)	0.2620	0.2620	0.2723	0.2723	4.5	4.5
			Bis(2-ethex)phthalate (IS5)	0.5684	0.5684	0.5880	0.5880	2.3	2.3
			Benzo(a)pyrene (IS6)	0.9996	0.9996	1.0281	1.0281	4.2	4.2

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

METHOD: GC/MS SVOA (EPA SW 846 Method 8270D)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

$$\% \text{ Difference} = 100 * (\text{ave. RRF} - \text{RRF}) / \text{ave. RRF}$$

$$\text{RRF} = (\text{Ax})(\text{Cis}) / (\text{Ais})(\text{Cx})$$

Where:

ave. RRF = initial calibration average RRF

RRF = continuing calibration RRF

Ax = Area of compound

Cx = Concentration of compound

Ais = Area of associated internal standard

Cis = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (IS)	Average RRF (Initial RRF)	Reported (CC RRF)	Recalculated (CC RRF)	Reported %D	Recalculated %D
1	V8201	02/25/14	Phenol (IS1)	1.7723	1.6559	1.6559	6.6	6.6
			Nitrobenzene (IS2)	0.3533	0.3461	0.3461	2.0	2.0
			2,4,5-TCP (IS3)	0.4081	0.4089	0.4089	0.2	0.2
			Hexachlorobenzene (IS4)	0.2723	0.2765	0.2765	1.5	1.5
			Bis(2-ethex)phthalate (IS5)	0.5880	0.5846	0.5846	0.6	0.6
			Benzo(a)pyrene (IS6)	1.0281	1.0332	1.0332	0.5	0.5
2	V8302	02/27/14	Phenol (IS1)	1.7723	1.8691	1.8691	5.5	5.5
			Nitrobenzene (IS2)	0.3533	0.3879	0.3879	9.8	9.8
			2,4,5-TCP (IS3)	0.4081	0.4581	0.4581	12.3	12.3
			Hexachlorobenzene (IS4)	0.2723	0.3024	0.3024	11.0	11.0
			Bis(2-ethex)phthalate (IS5)	0.5880	0.6330	0.6330	7.7	7.7
			Benzo(a)pyrene (IS6)	1.0281	1.1242	1.1242	9.3	9.3

LDC #: 31445 B2a

VALIDATION FINDINGS WORKSHEET **Surrogate Results Verification**

Page: 1 of 1Reviewer: JVG2nd reviewer: ca**METHOD:** GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: $SF/SS \times 100$ Where: SF = Surrogate Found
SS = Surrogate SpikedSample ID: # 2

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5	50.0	39.7	79	79	0
2-Fluorobiphenyl		41.0	82	82	
Terphenyl-d14		42.1	84	84	
Phenol-d5		40.6	81	81	
2-Fluorophenol		40.2	80	80	
2,4,6-Tribromophenol	✓	46.2	92	92	✓
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

LDC #: 31445 B2G

VALIDATION FINDINGS WORKSHEET

Page: 1 of 1

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: JVG

2nd Reviewer: CL

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = $100 * (SC/SA)$

Where: SSC = Spike concentration
SA = Spike added

RPD = $|LCSC - LCSDC| * 2 / (LCSC + LCSDC)$

LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: LCS 480-167265/2-A

Compound	Spike Added (ug/kg)		Spike Concentration (ug/kg)		LCS		LCSD		LCS/LCSD	
					Percent Recovery		Percent Recovery		RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
Phenol	3270	NA	2470 3270	NA	2470 75	75				
N-Nitroso-di-n-propylamine			2620		80	80				
4-Chloro-3-methylphenol			2980		91	91				
Acenaphthene			2770		85	85				
Pentachlorophenol	6530		5440		83	83				
Pyrene	3270		2810		86	86				

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31445 B2a

VALIDATION FINDINGS WORKSHEET

Sample Calculation Verification

Page: 1 of 1

Reviewer: JVG

2nd reviewer: an

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Y	N	N/A
Y	N	N/A

Were all reported results recalculated and verified for all level IV samples?

Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

$$\text{Concentration} = \frac{(A_s)(I_s)(V_i)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

V_o = Volume or weight of sample extract in milliliters (ml) or grams (g).

V_i = Volume of extract injected in microliters (ul)

V_t = Volume of the concentrated extract in microliters (ul)

Df = Dilution Factor.

%S = Percent solids, applicable to soil and solid matrices only.

2.0 = Factor of 2 to account for GPC cleanup

Example:

Sample I.D. 9, Benzo(a)pyrene

$$\text{Conc.} = \frac{(95846) (40) (1m) (1000) ()}{(74890) (1.028) (30.88) (6.783) ()}$$

717.7

$\approx 720 \text{ ug/kg}$

[illegible]

YES NO N/A

- E - The concentration of this analyte exceeds the calibration range of the instrument.
- A - Indicates a Tentatively Identified Compound (TIC) is a suspected adol-condensation product.
- X,Y,Z- Laboratory defined flags. The data reviewer must change these qualifiers during validation so that the data user may understand their impact on the data.

I. PACKAGE COMPLETENESS AND DELIVERABLES

CASE NUMBER/SDG# : 31445B/480-55092-1 LAB: Test America Buffalo

SITE NAME: Glen Island

1.0 Data Completeness and Deliverables

- 1.1 Has all data been submitted in CLP deliverable format?

☒

ACTION: If not, note the effect on review of the data in the data assessment narrative.

2.0 Cover Letter, SDG Narrative

- 2.1 Is a laboratory narrative or cover letter present?

☒

- 2.2 Are case number and SDG number(s) contained in the narrative or cover letter?

☒

YES NO N/A

II. SEMIVOLATILE ANALYSES

1.0 Traffic Reports and Laboratory Narrative

1.1 Are the Traffic Report Forms present for all samples?

1/1 — —

ACTION: If no, contact lab for replacement of missing or illegible copies.

1.2 Do the Traffic Reports or Lab Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special notations affecting the quality of the data?

— 1/1 —

ACTION: If any sample analyzed as a soil, other than TCLP, contains 50%-90% water, all data should be flagged as estimated ("J"). If a soil sample, other than TCLP, contains more than 90% water, all non-detects data are qualified as unusable (R), and detects are flagged "J".

ACTION: If samples were not iced, or if the ice was melted upon arrival at the laboratory and the cooler temperature was elevated (10°C), flag all positive results "J" and all non-detects "UJ".

2.0 Holding Times

2.1 Have any semivolatile technical holding times, determined from date of collection to date of extraction, been exceeded?

— 1/1 —

Continuous extraction of water samples for semivolatile analysis must be started within 7 days of the date of collection. Soil/sediment samples must be extracted within 14 days of collection. Extracts must be analyzed within

YES NO N/A

40 days of the date of extraction.

Table of Holding Time Violations

(See Traffic Report)

Sample ID	Sample Matrix	Date Sampled	Date Lab Received	Date Extracted	Date Analyzed
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

ACTION: If technical holding times are exceeded, flag all positive results as estimated ("J") and sample quantitation limits as estimated ("UJ"), and document in the narrative that holding times were exceeded.

If analyses were done more than 14 days beyond holding time, either on the first analysis or upon re analysis, the reviewer must use professional judgement to determine the reliability of the data and the effects of additional storage on the sample results. At a minimum, all results should be qualified "J", but the reviewer may determine that non-detect data are unusable ("R"). If holding times are exceeded by more than 28 days, all non-detect data are unusable (R).

YES NO N/A

3.0 Surrogate Recovery (Form II/Equivalent)

3.1 Have the semi volatile surrogate recoveries been listed on CLP Surrogate Recovery forms (Form II) for each of the following matrices:

a. Low Water

☒ ☐ ☐

b. Low/Med Soil

☒ ☐ ☐

3.2 If so, are all the samples listed on the appropriate Surrogate Recovery Summary forms for each matrix:

a. Low Water

☒ ☐ ☐

b. Low/Med Soil

☒ ☐ ☐

ACTION: If CLP deliverables are unavailable, document the effect(s) in data assessments. In some cases the lab may have to be contacted to obtain the data necessary to complete the validation.

3.3 Were outliers marked correctly with an asterisk? ☒ ☐ ☐

ACTION: Circle all outliers in red.

3.4 Were two or more base neutral OR acid surrogate recoveries out of specification for any sample or method blank (Reviewer should use lab in house recovery limits. Use surrogate recovery limits from USEPA National Functional Guidelines January 2005 page 130, if in house limits are not available. See Method 8000B-43 or 8000C-24).

☐ ☒ ☐

Note: Examine lab in house limits for reasonableness.

If yes, were samples re-analyzed?

☐ ☐ ☒

YES NO N/A

Were method blanks re-analyzed?

11 — /

ACTION: If all surrogate recoveries are > 10% but two within the base-neutral or acid fraction do not meet method specifications, for the affected fraction only (i.e. either base-neutral or acid compounds):

1. Flag all positive results as estimated ("J").
2. Flag all non-detects as estimated detection limits ("UJ") when recoveries are less than the lower acceptance limit.
3. If recoveries are greater than the upper acceptance limit, do not qualify non-detects.

If any base-neutral or acid surrogate has a recovery of < 10%:

1. Positive results for the fraction with < 10% surrogate recovery are qualified with "J".
2. Non-detects for that fraction should be qualified as unusable (R) .

NOTE: Professional judgement should be used to qualify data that have method blank surrogate recoveries out of specification in both original and reanalyses. Check the internal standard areas.

3.5 Are there any transcription/calculation errors between raw data and Form II?

— 11 —

ACTION: If large errors exist, call lab for explanation/resubmittal, make any necessary corrections and document

YES NO N/A

effect in data assessments.

4.0 Matrix Spikes (Form III/Equivalent)

- 4.1 Have the semivolatile Matrix Spike and Matrix Spike Duplicate/or duplicate unspiked Sample recoveries been listed on the Recovery Form (Form III)?

☒ ☐ ☐

NOTE: Method 3500B/page 4 states the spiking compounds:

Base/neutrals

1,2,4-Trichlorobenzene
Acenaphthene
2,4-Dinitrotoluene
Pyrene
N-Nitroso-di-n-propylamine
1,4-Dichlorobenzene

Acids

Pentachlorophenol
Phenol
2-Chlorophenol
4-Chloro-3-methylphenol
4-Nitrophenol

Note: Some projects may require the spiking of specific compounds of interest.

Note: See Method 8270D-sec 8.4.2 for deciding on whether to prepare and analyze duplicate samples or a matrix spike/matrix spike duplicate. If samples are expected to contain target analytes, then laboratory may use one matrix spike and a duplicate analysis of an unspiked field sample. If samples are not expected to contain target analytes, laboratory should use a matrix spike and matrix spike duplicate pair.

- 4.2 Were matrix spikes analyzed at the required frequency for each of the following matrices:

a. Low Water

☒ ☐ ☐

b. Low Solid

☒ ☐ ☐

c. Med Solid

☒ ☐ ☐

YES NO N/A

ACTION: If any matrix spike data are missing, take the action specified in 3.2 above. It may be necessary to contact the lab to obtain the required data.

NOTE: If the data has not been reported on CLP equivalent form, then the laboratory must provide the information necessary to evaluate the spike recoveries in the MS and MSD. The required data which should have been provided by the lab include the analytes and concentrations used for spiking, background concentrations of the spiked analytes (i.e., concentrations in unspiked sample), methods and equations used to calculate the QC acceptance criteria for the spiked analytes, percent recovery data for all spiked analytes.

The data reviewer must verify that all reported equations and percent recoveries are correct before proceeding to the next section.

4.3 Were matrix spikes performed at concentration equal to 100ug/L for acid compounds, and 200ug/l for base compounds (Method 3500B-4), or those specified in project plan.

11 — ✓

4.4 How many semivolatile spike recoveries are outside Laboratory in house MS/MSD recovery limits (use recovery limits values in Method 8270D-43&44 Table 6 if in house values not available).

Water

— out of ^{1A} —

Solids

— out of ^{1K} —

YES NO N/A

4.5 How many RPD's for matrix spike and matrix spike duplicate recoveries are outside QC limits?

Water

NA

___ out of ___

Solids

NA

___ out of ___

ACTION: Circle all outliers with red pencil.

ACTION: No action is taken on MS/MSD data alone. However, using informed professional judgement, the data reviewer may use the matrix spike and matrix spike duplicate results in conjunction with other QC criteria to determine the need for some qualification of the data.

4.6 Was a Laboratory Control Sample (LCS) analyzed with each analytical batch? 11 ___

NOTE: When the results of the matrix spike analysis indicate a potential problem due to the sample matrix itself, the LCS results are used to verify that the laboratory can perform the analysis in a clean matrix.

5.0 Blanks (Form IV/Equivalent)

5.1 Is the Method Blank Summary (Form IV) present? 11 ___

5.2 Frequency of Analysis:

Has a reagent/method blank analysis been reported per 20 samples of similar matrix, or concentration level, and for each extraction batch?

11 ___

5.3 Has a method blank been analyzed either after

YES NO N/A

the calibration standard or at any other time during the analytical shift for each GC/MS system used ?

☒ ☐ ☐

ACTION: If any method blank data are missing, call lab for explanation/resubmittal. If not available, use professional judgement to determine if the associated sample data should be qualified.

5.4 Chromatography: review the blank raw data - chromatograms (RICs), quant reports or data system printouts and spectra.

Is the chromatographic performance (baseline stability) for each instrument acceptable for the semivolatiles?

☒ ☐ ☐

ACTION: Use professional judgement to determine the effect on the data.

6.0 Contamination

NOTE: "Water blanks", "drill blanks" and "distilled water blanks" are validated like any other sample and are not used to qualify the data. Do not confuse them with the other QC blanks discussed below.

6.1 Do any method/instrument/reagent blanks have positive results for target analytes and/or TICs? When applied as described below, the contaminant concentration in these blanks are multiplied by the sample dilution factor and corrected for percent moisture where necessary.

☐ ☒ ☐

6.2 Do any field/rinse/ blanks have positive results for target analytes and/or TICs (if required, see section 10 below)?

☒ ☐ ☐

YES NO N/A

ACTION: Prepare a list of the samples associated with each of the contaminated blanks.
(Attach a separate sheet.)

NOTE: All field blank results associated to a particular group of samples (may exceed one per case) must be used to qualify data. Blanks may not be qualified because of contamination in another blank. Field Blanks must be qualified for outlying surrogates, poor spectra, instrument performance or calibration QC problems.

ACTION: Follow the directions in the table below to qualify sample results due to contamination. Use the largest value from all the associated blanks. If gross contamination exists, all data in the associated samples should be qualified as unusable (R).

YES NO N/A

Blank Action for Semivolatile Analyses

Blank Type	Blank Result	Sample Result	Action for Samples
Method, Field	Detects	Not detected	No qualification required
	< CRQL *	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification required
	= CRQL *	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification required
	> CRQL *	< CRQL	Report CRQL value with a U
		≥ CRQL and < blank contamination	Report concentration of sample with a U
		≥ CRQL and ≥ blank contamination	No qualification required

NOTE: Analytes qualified "U" for blank contamination are still considered as "hits" when qualifying for calibration criteria.

NOTE: If the laboratory did not report TIC analyses, check the project plans to verify whether or not it was required.

6.3 Are there field/rinse/equipment blanks associated with every sample? ☒ ☐ ☐

ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

6.4 Was a instrument blank analyzed after each sample/dilution which contained a target compound

YES NO N/A

that exceeded the initial calibration range.

☒ ☐ ☐

6.5 Does the instrument blank have positive results for target analytes and/or TICs?

☐ ☒ ☐

Note: Use professional judgement to determine if carryover occurred and qualify analytes accordingly.

7.0 GC/MS Apparatus and Materials

7.1 Did the lab use the proper gas chromatographic column for analysis of semivolatiles by Method 8270D? Check raw data, instrument logs or contact the lab to determine what type of column was used. The method requires the use of 30 m x 0.25 mm ID (or 0.32 mm ID), silicone-coated, fused silica, capillary column.

☒ ☐ ☐

ACTION: If the specified column, or equivalent, was not used, document the effects in the data assessment. Use professional judgement to determine the acceptability of the data.

8.0 GC/MS Instrument Performance Check (Form V/Equivalent)

8.1 Are the GC/MS Instrument Performance Check Forms (Form V) present for decafluorotriphenylphosphine (DFTPP)?

☒ ☐ ☐

NOTE: The performance solution should also contain 4,4-DDT, pentachlorophenol, and benzidine to verify injection port inertness and column performance. The degradation of DDT to DDE and DDD must be less than 20% total and the response of pentachlorophenol and benzidine should be within normal ranges for these compounds (based upon lab experience) and show no peak degradation or tailing before samples are analyzed. (see section 5.5

YES NO N/A

page 8270D-12).

8.2 Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the DFTPP provided for each twelve hour shift?

☒ — —

8.3 Has an instrument performance check solution been analyzed for every twelve hours of sample analysis per instrument?

☒ — —

ACTION: List date, time, instrument ID, and sample analyses for which no associated GC/MS tuning data are available.

DATE	TIME	INSTRUMENT	SAMPLE NUMBERS
------	------	------------	----------------

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

ACTION: If lab cannot provide missing data, reject ("R") all data generated outside an acceptable twelve hour calibration interval.

ACTION: If mass assignment is in error, flag all associated sample data as unusable (R).

8.4 Have the ion abundances been normalized to m/z 198?

☒ — —

8.5 Have the ion abundance criteria been met for each instrument used?

☒ — —

ACTION: List all data which do not meet ion abundance criteria (attach a separate sheet).

YES NO N/A

ACTION: If ion abundance criteria are not met, take action specified in section 3.2

8.6 Are there any transcription/calculation errors between mass lists and Form Vs? (Check at least two values but if errors are found, check more.)

___ ☒ ___

8.7 Have the appropriate number of significant figures (two) been reported?

☒ ___

ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and document effect in data assessments.

8.8 Are the spectra of the mass calibration compound acceptable?

☒ ___

ACTION: Use professional judgement to determine whether associated data should be accepted, qualified, or rejected.

9.0 Target Analytes

9.1 Are the Organic Analysis Data Sheets (Form I) present with required header information on each page, for each of the following:

a. Samples and/or fractions as appropriate

☒ ___

b. Matrix spikes and matrix spike duplicates

☐ ___ ☒

c. Blanks

☒ ___

9.2 Has any special cleanup, such as GPC, been performed on all soil/sediment sample extracts (see section 7.2, page 8270D-14)?

☐ ☒ ___

YES NO N/A

ACTION: If data suggests that extract cleanup was not performed, use professional judgement. Make note in the data assessment narrative.

9.3 Are the Reconstructed Ion Chromatograms, mass spectra for the identified compounds, and the data system printouts (Quant Reports) included in the sample package for each of the following?

- | | | | |
|---|-------------------------------------|--------------------------|-------------------------------------|
| a. Samples and/or fractions as appropriate | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Matrix spikes and matrix spike duplicates
(Mass spectra not required) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c. Blanks | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

ACTION: If any data are missing, take action specified in 3.2 above.

9.4 Are the response factors shown in the Quant Report?

☐ ☒ ☐

9.5 Is chromatographic performance acceptable with respect to:

- | | | | |
|---------------------------------|-------------------------------------|--------------------------|--------------------------|
| Baseline stability? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Resolution? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Peak shape? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Full-scale graph (attenuation)? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Other: _____ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

ACTION: Use professional judgement to determine the acceptability of the data.

9.6 Are the lab-generated standard mass spectra of identified semivolatile compounds present for

	YES	NO	N/A
each sample?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>ACTION: If any mass spectra are missing, take action specified in 3.2 above. If the lab does not generate their own standard spectra, make a note in the data assessment narrative. If spectra are missing, reject all positive data.</p>			
9.7 Is the RRT of each reported compound within 0.06 RRT units of the standard RRT in the continuing calibration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.8 Are all ions present in the standard mass spectrum at a relative intensity greater than 10% (of the most abundant ion) also present in the sample mass spectrum?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.9 Do the relative intensities of the characteristic ions in the sample agree within $\pm 30\%$ of the corresponding relative intensities in the reference spectrum?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>ACTION: Use professional judgement to determine acceptability of data. If it is determined that incorrect identifications were made, all such data should be rejected (R), flagged "N" (Presumptive evidence of the presence of the compound) or changed to not detected (U) at the calculated detection limit. In order to be positively identified, the data must comply with the criteria listed in 9.7, 9.8, and 9.9.</p>			
<p>ACTION: When sample carry-over is a possibility, professional judgement should be used to determine if instrument cross-contamination has affected any positive compound identification.</p>			

YES NO N/A

10.0 Tentatively Identified Compounds (TIC)

10.1 If Tentatively Identified Compounds were required for this project, are all Form Is, Part B present; and do listed TICs include scan number or retention time, estimated concentration and "JN" qualifier?

NOTE: Review sampling reports to determine if the lab was required to identify non target analytes (refer to section 7.6.2, page 8270D-21).

10.2 Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following:

- | | | | |
|--|--------------------------|--------------------------|-------------------------------------|
| a. Samples and/or fractions as appropriate | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b. Blanks | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

ACTION: If any TIC data are missing, take action specified in 3.2 above.

ACTION: Add "JN" qualifier only to analytes identified by CAS #.

10.3 Are any target compounds from one fraction listed as TIC compounds in another (e.g., an acid compound listed as a base neutral TIC)?

☐ ☐ ☒

ACTION: i. Flag with "R" any target compound listed as a TIC.

ii. Make sure all rejected compounds are properly reported in the other fraction.

10.4 Are all ions present in the reference mass spectrum with a relative intensity greater than 10% (of the most abundant ion) also present in the

	YES	NO	N/A
sample mass spectrum?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10.5 Do TIC and "best match" standard relative ion intensities agree within $\pm 20\%$?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ACTION: Use professional judgement to determine acceptability of TIC identifications. If it is determined that an incorrect identification was made, change the identification to "unknown" or to some less specific identification (example: "C3 substituted benzene") as appropriate and remove "JN". Also, when a compound is not found in any blank, but is a suspected artifact of a common laboratory contaminant, the result should be qualified as unusable, "R."

11.0 Compound Quantitation and Reported Detection Limits

11.1 Are there any transcription/calculation errors in Form I results? Check at least two positive values. Verify that the correct internal standard, quantitation ion, and RRF were used to calculate Form I result. Were any errors found?

☐ ☒ ☐

NOTE: Structural isomers with similar mass spectra, but insufficient GC resolution (i.e. percent valley between the two peaks $> 25\%$) should be reported as isomeric pairs. The reviewer should check the raw data to ensure that all such isomers were included in the quantitation (i.e., add the areas of the two coeluting peaks to calculate the total concentration).

11.2 Are the method detection limits adjusted to reflect sample dilutions and, for soils, sample moisture?

☒ ☐ ☐

YES NO N/A

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and document effect in data assessments.

ACTION: When a sample is analyzed at more than one dilution, the lowest detection limits are used (unless a QC exceedance dictates the use of the higher detection limit from the diluted sample data). Replace concentrations that exceed the calibration range in the original analysis by crossing out the "E" and it's associated value on the original Form I (if present) and substituting the data from the analysis of the diluted sample. Specify which Form I is to be used, then draw a red "X" across the entire page of all Form I's that should not be used, including any in the summary package.

12.0 Standards Data (GC/MS)

12.1 Are the Reconstructed Ion Chromatograms, and data system printouts (Quant, Reports) present for initial and continuing calibration? ☒ ☐ ☐

ACTION: If any calibration standard data are missing, take action specified in 3.2 above.

13.0 GC/MS Initial Calibration (Form VI/Equivalent)

13.1 Is the Initial Calibration Form (Form VI/Equivalent) present and complete for the semivolatile fraction? ☒ ☐ ☐

ACTION: If any calibration forms or standard row data are missing, take action specified in 3.2 above.

13.2 Are all base neutral or acid RRFs > 0.050? ☒ ☐ ☐

YES NO N/A

Check the **average RRFs** of the four System Performance Check Compounds (SPCCs): N-nitroso-di-n-propylamine, hexachlorocyclopentadiene, 2,4-dinitrophenol, and 4-nitrophenol. These compounds must have **average RRFs** greater than or equal to 0.05 before running samples and should not show any peak tailing.

ACTION: Circle all outliers in red.

ACTION: For any target analyte with **average RRF** <0.05

1. "R" all non-detects;
2. "J" all positive results.

13.3 Are response factors for base neutral or acid target analytes stable over the concentration range of the calibration (% Relative standard deviation [%RSD] < 20.0%)?

14 — —

NOTE: The % RSD for each individual Calibration Check Compound (CCC, Method 8270D-40 see Table 4) must be less than 30% before analysis can begin. If greater 30%, the lab must clean and recalibrate the instrument.

CALIBRATION CHECK COMPOUNDS

Base/Neutral Fraction	Acid Fraction
Acenaphthene	4-Chloro-3-methylphenol
1,4-Dichlorobenzene	2,4-Dichlorophenol
Hexachlorobutadiene	2-Nitrophenol
Diphenylamine	Phenol
Di-n-octyl phthalate	Pentachlorophenol
Fluoranthene	2,4,6-Trichlorophenol

YES NO N/A

Benzo(a)pyrene

ACTION: If the %RSD for any CCC >30% and no corrective action taken, then "J" qualify all positive hits and "UJ" qualify all non-detects.

ACTION: Circle all outliers in red.

ACTION: If the % RSD is $\geq 20.0\%$, qualify positive results for that analyte "J" and non-detects using professional judgement. When RSD > 90%, flag all non- detect results for that analyte "R," unusable. Alternatively, the lab should calculate first or second order regression fit of the calibration curve and select the fit which introduces the least amount of error.

NOTE: Analytes previously qualified "U" due to blank contamination are still considered as "hits" when qualifying for calibration criteria.

13.4 Did the laboratory calculate the calibration curve by the least squares regression fit?

☒ ☐ ☐

13.5 Are there any transcription/calculation errors in the reporting of average response factors (RRF) or % RSD? (Check at least two values but if errors are found, check more.)

☐ ☒ ☐

ACTION: Circle Errors in red.

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and note errors in data assessments.

13.5 Do the target compounds for this SDG include Pesticides?

☐ ☒ ☐

YES NO N/A

13.6 If the pesticide compounds include DDT, was the percent breakdown of DDT to DDD and DDE greater than 20%?

— 11 /

ACTION: If DDT percent breakdown exceeds 20%:

- i. Qualify all positive results for DDT with "J". If DDT was not detected, but DDD and DDE results are positive, qualify the quantitation limit for DDT as unusable, "R".
- ii. Qualify all positive results for DDD and DDE as presumptively present at an approximate concentration "JN".

14.0 GC/MS Calibration Verification (Form VII/Equivalent)

14.1 Are the Calibration Verification Forms (Form VII) present and complete for all compounds of interest?

11 — —

14.2 Has a calibration verification standard been analyzed for every twelve hours of sample analysis per instrument?

11 — —

ACTION: List below all sample analyses that were not within twelve hours of a calibration verification analysis for each instrument used.

ACTION: If any forms are missing or no calibration verification standard has been analyzed within twelve hours of every sample analysis,

YES NO N/A

call lab for explanation/resubmittal. If continuing calibration data are not available, flag all associated sample data as unusable ("R").

14.3 Do any of the SPCCs have an RRF <0.05? ☒

If YES, make a note in data assessment if the lab did not take corrective action specified in section 7.4.4, page 8270D-18. ☒

14.4 Do any of the CCCs have a %D between the initial and continuing RRF which exceeds 20.0%? ☒

ACTION: If yes, make a note in data assessment.

14.5 Do any semivolatile compounds have a % Difference (% D) between the initial and continuing RRF which exceeds 20.0%? ☒

ACTION: Circle all outliers in red.

ACTION: Qualify both positive results and non-detects for the outlier compound(s) as estimated (J). When %D is above 90%, qualify all non-detects for that analyte as "R", unusable.

14.6 Do any semivolatile compounds have a RRF < 0.05? ☒

ACTION: Circle all outliers in red.

ACTION: If RRF < 0.05, qualify as unusable ("R") associated non-detects and "J" associated positive values.

14.7 Are there any transcription/calculation errors in the reporting of average response factors (RRF) or percent difference (%D) between initial and continuing RRFs? (Check at least two values but if errors are found, check more). ☒

YES NO N/A

ACTION: Circle errors in red.

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and document effect(s) in the data assessments.

15.0 Internal Standards (Form VIII)

15.1 Are the internal standard areas (Form VIII) of every sample and blank within the upper and lower limits (-50% to + 100%) for each continuing calibration?

1/1 — —

ACTION: List each outlying internal standard below.

Sample ID	IS #	Area	LowerLimit	Upper Limit
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

(Attach additional sheets if necessary.)

Note: Check Table 5, 8270D-41 for associated analytes.

- ACTION:
- i. If the internal standard area count is outside the upper or lower limit, flag with "J" all positive results and non-detects (U values) quantitated with this internal standard.
 - ii. Non-detects associated with IS > 100% should not be qualified.

YES NO N/A

iii. If the IS area is below the lower limit (<50%), qualify all associated non-detects (U-values) "J". If extremely low area counts are reported (<25%) or if performance exhibits a major abrupt drop off, flag all associated non-detects as unusable (R).

15.2 Are the retention times of all internal standards within 30 seconds of the associated calibration standard?

☒ ☐ ☐

ACTION: Professional judgement should be used to qualify data if the retention times differ by more than 30 seconds.

16.0 Laboratory Control Samples (LCS)

16.1 Were any LCS samples run in order to verify analytes which failed criteria for spike recovery?

☒ ☐ ☐

16.2 Did the lab spike LCS sample spiked with the same analytes and the same concentrations as the matrix spike?

☒ ☐ ☐

16.3 Were the mean and standard deviation of all analytes within the QC acceptance ranges as shown in ~~Table 6, 8270D-43?~~ *lab limits?*

☒ ☐ ☐

ACTION: If the recovery of any analyte falls out of the designated range, the analytical results for that compound is suspect and should be qualified "J" in the unspiked samples.

17.0 Field Duplicates

17.1 Were any field duplicates submitted for semivolatile analysis?

☐ ☒ ☐

YES NO N/A

ACTION: Compare the reported results for field duplicates and calculate the relative percent difference.

ACTION: Any gross variation between field duplicate results must be addressed in the reviewer narrative. However, if large differences exist, identification of field duplicates should be confirmed by contacting the sampler.

LDC #: 31445B3a
SDG #: 480-55092-1
Laboratory: Test America, Inc.

VALIDATION COMPLETENESS WORKSHEET

Cat A/Cat B

Date: 3/20/14

Page: 1 of 1

Reviewer: N/C

2nd Reviewer: CA

METHOD: GC Chlorinated Pesticides (EPA SW 846 Method 8081A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/19/14
II.	GC Instrument Performance Check	A	Not reviewed for Cat A review.
III.	Initial calibration	A	Not reviewed for Cat A review. r2
IV.	Continuing calibration/ICV	SW	Not reviewed for Cat A review. CCW ≤ 20% ICW ≤ 20%
V.	Blanks	SW	
VI.	Surrogate spikes	SW	
VII.	Matrix spike/Matrix spike duplicates	N	CS
VIII.	Laboratory control samples	SA	LCS 1/2
IX.	Regional quality assurance and quality control	N	
X.	Florisil cartridge check	N	
XI.	GPC Calibration	N	
XII.	Target compound identification	A	Not reviewed for Cat A review.
XIII.	Compound quantitation/RL/LOQ/LODs	SW	Not reviewed for Cat A review. MDL < Results < RL = Jdets
XIV.	Overall assessment of data	A	
XV.	Field duplicates	N	
XVI.	Field blanks	ND	FB = 6

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

** Level N Soil + Water (1)

1	2	CC-C-029-0-2	(10x)	11	1	MB 480-167258 A-A	21		31	
2	1	CC-C-029-8-10	**	12	2	-167475/	22		32	
3	2	CC-C-041-0-2	(10x)	13	3	-167623/	23		33	
4	2	CC-C-041-2-4	(100x)	14	4	-167536/	24		34	
5	2	CC-C-041-8-10	(10x)	15			25		35	
6	4	FB026	W	16			26		36	
7	3	CC-C-029-2-4		17			27		37	
8				18			28		38	
9				19			29		39	
10				20			30		40	

Notes: 1. Dil due to matrix
* Same batches analyzed in 31445B3a

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes: _____

LDC #: 31445 B3c

VALIDATION FINDINGS WORKSHEET

Continuing Calibration

Page: 1 of 1

Reviewer: JVG

2nd Reviewer: 9

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Please see qualifications below for all questions answered "N" Not applicable questions are identified as "N/A".

DN N/A Were Evaluation mix standards run before initial calibration and before samples?

☒ N N/A Were Endrin & 4,4'-DDT breakdowns acceptable in the Evaluation Mix standard (<15.0% for individual breakdowns)?

Y N N/A Was at least one standard run daily to verify the working curve?

Y N N/A Did the continuing calibration standards meet the percent difference (%D) / relative percent difference (RPD) criteria of $\leq 20.0\%$?

Level IV/D Only

Y N N/A Were the retention times for all calibrated compounds within their respective acceptance windows?

[illegible]

A. alpha-BHC
B. beta-BHC
C. delta-BHC
D. gamma-BHC

E. Heptachlor
F. Aldrin
G. Heptachlor epoxide
H. Endosulfan I

I. Dieldrin
J. 4,4'-DDE
K. Endrin
L. Endosulfan II

M. 4,4'-DDD
N. Endosulfan sulfate
O. 4,4'-DDT
P. Methoxychlor

Q. Endrin ketone
R. Endrin aldehyde
S. alpha-Chlordane
T. gamma-Chlordane

U. Toxaphene
V. Aroclor-1016
W. Aroclor-1221
X. Aroclor-1232

Y. Aroclor-1242
Z. Aroclor-1248
AA. Aroclor-1254
BB. Aroclor-1260

CC. DB 608
DD. DB 1701
EE. Hexachlobenzene
FF.

GG. _____
HH. _____
II. _____
JJ. _____

LDC #: 31445 B3a

VALIDATION FINDINGS WORKSHEET **Blanks**

Page: 1 of 1Reviewer: SV62nd Reviewer: 92**METHOD:** GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

- Y N N/A Were all samples associated with a method blank?
Y N N/A Was a method blank performed for each matrix and whenever a sample extraction was performed?
Y N N/A If extract clean-up was performed, were extract clean-up blanks analyzed at the proper frequencies?
Y N N/A Was there contamination in the method blanks? If yes, please see the qualifications below.

Blank extraction date: 2/25/14 Blank analysis date: 2/25/14Associated samples: 1, 3-5Conc. units: ug/kg

Compound	Blank ID	Sample Identification							
	MB 486-1674	75/1-A	Action level	1					
C	0.524	<RL	3.9/194						

Blank extraction date: 2/26/14 Blank analysis date: 2/26/14

Associated samples: _____

Conc. units: ug/kg

Compound	Blank ID	Sample Identification							
	MB 480-1676	23/1-A							
C	0.371								

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

All contaminants within five times the method blank concentration were qualified as not detected, "U".

LDC #: 31445 B39**VALIDATION FINDINGS WORKSHEET**
Surrogate SpikesPage: 1 of 1
Reviewer: JVG
2nd Reviewer: Q**METHOD:** GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Please see qualification below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were surrogates spiked into all samples, standards and blanks?Y N N/A Did all surrogate percent recoveries (%R) meet the QC limits?

#	Sample ID	Column	Surrogate Compound	%R (Limits)	Qualifications
	1	RTX-c18	A	0 (32-136)	No peak (dil)
	3		B	0 (30-124)	
	4			()	
	5			()	
	7			()	
	(10X - 100X)			()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	

Letter Designation	Surrogate Compound	Recovery QC Limits (Soil)	Recovery QC Limits (Water)	Comments
A	Tetrachloro-m-xylene			
B	Decachlorobiphenyl			

LDC#: 31445B3a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 2
 Reviewer: JVG
 2nd Reviewer: CZ

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081A)

Calibration Date	Instrument/Column	Compound	Standard	(Y) Response	(X) Concentration
1/31/2014	HP6890-5 RTX-CLP1	g-BHC	1	384391	0.0050
			2	769175	0.0100
			3	4238163	0.0500
			4	8648475	0.1000
			5	13126505	0.1500
1/31/2014	HP6890-5 RTX-CLP1	4,4'-DDT	1	489709	0.0050
			2	918323	0.0100
			3	4936564	0.0500
			4	9844810	0.1000
			5	14716256	0.1500

Regression Output		g-BHC		DDT	
		Calculated	Reported WLR	Calculated	Reported WLR
Constant	b =	0.001225	-72536.901	0.000176	-21392.057
Std Err of Y Est					
R Squared	r^2 =	0.999927	1.000000	0.999967	1.000000
Degrees of Freedom					
X Coefficient(s)	m1 =	87947803.5340	87394900.000	98384991.4267	98452769.200
Std Err of Coef.					
Correlation Coefficient		0.999963		0.999983	
COD r2		0.999927		0.999967	

LDC#: 31445B3a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 2 of 2
 Reviewer: JVG
 2nd Reviewer:

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081A)

Calibration Date	Instrument/Column	Compound	Standard	(Y) Response	(X) Concentration
1/31/2014	HP6890-5 RTX-CLP2	g-BHC	1	437610	0.0050
			2	877732	0.0100
			3	4830964	0.0500
			4	9755678	0.1000
			5	14562536	0.1500
1/31/2014	HP6890-5 RTX-CLP2	4,4'-DDT	1	268513	0.0050
			2	541760	0.0100
			3	3090030	0.0500
			4	6386329	0.1000
			5	9736990	0.1500

Regression Output		g-BHC		DDT	
		Calculated	Reported WLR	Calculated	Reported WLR
Constant	b =	0.000653	-66105.213	0.001754	-75318.281
Std Err of Y Est					
R Squared	r^2 =	0.999967	1.000000	0.999837	1.000000
Degrees of Freedom					
X Coefficient(s)	m1 =	97722317.4084	97762051.000	65376628.2068	64762582.200
Std Err of Coef.					
Correlation Coefficient		0.999984		0.999918	
COD r2		0.999967		0.999837	

LDC#: 31445B3a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Calculation Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: al

METHOD: GC / HPLC

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration percent difference (%D) values were recalculated for the compounds identified below using the following calculation:

Percent difference (%D) = $100 * (N - C) / N$

Where:

N = Initial Calibration Factor or Nominal Amount

C = Calibration Factor from Continuing Calibration Standard or Calculated Amount

#	Standard ID	Calibration Date	Compound	CCV Conc	Reported Conc	Recalculated Conc	Reported % D	Recalculated %D
1	5_5198	2/25/2014	g-BHC CLP1	0.0500	0.0580	0.0580	16.0	15.9
			4,4'-DDT CLP1	0.0500	0.0457	0.0457	8.6	8.6
			g-BHC CLP2	0.0500	0.0508	0.0508	1.6	1.6
			4,4'-DDT CLP2	0.0500	0.0464	0.0464	7.2	7.2

LDC #: 21445 B29

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Page: 1 of 1

Reviewer: JVG

2nd reviewer: CA**METHOD:** GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate SpikedSample ID: 2

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene	RTX-CP2	0.02	0.0187	93	93	9
Decachlorobiphenyl	L	L	0.0219	109	109	2
Decachlorobiphenyl						

Sample ID: _____

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Sample ID: _____

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Sample ID: _____

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Notes: _____

LDC #: 31445 B3a

VALIDATION FINDINGS WORKSHEET

Page: 1 of 1

Laboratory Control Sample/Laboratory Control Sample Duplicate Results Verification

Reviewer: JVG

2nd Reviewer: 9**METHOD:** GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

The percent recoveries (%R) and Relative Percent difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = $100 * (SSC - SC) / SA$

Where: SSC = Spiked sample concentration
SA = Spike added

SC = Concentration

RPD = $100 * |LCS - LCSD| / (LCS + LCSD)$

LCS = Laboratory control sample percent recovery

LCSD = Laboratory control sample duplicate percent recovery

LCS/LCSD samples: LCS 480-167475/2-A

Compound	Spike Added (ug/kg)		Spiked Sample Concentration (ug/kg)		LCS		LCSD		LCS/LCSD	
					Percent Recovery		Percent Recovery		RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
gamma-BHC	16.4	NA	11.0	NA	67	67				
4,4'-DDT	↓	↓	12.4	↓	76	76				
Aroclor 1260										

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 71445 B31

VALIDATION FINDINGS WORKSHEET

Sample Calculation Verification

Page: 1 of 1

Reviewer: JVG

2nd reviewer: CA

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Y	N	N/A
Y	N	N/A

Were all reported results recalculated and verified for all level IV samples?

Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

$$\text{Concentration} = \frac{(A) (Fv) (Df)}{(RF) (Vs \text{ or } Ws) (\%S/100)}$$

A = Area of compound
Fv = Final Volume of extract
Df = Dilution Factor
RF = Average Response Factor of compound in ICAL
Vs = Initial Volume of sample
Ws = Initial Weight of sample
%S = Percent Solid

Example:

CLP2 - HP5

Sample I.D. 2 DOT:

$$x = \frac{y - b}{m}$$

$$X_{\text{Conc.}} = \frac{[(266652) - (-75318.28)]}{(64762582.2)}$$

- 0.00528

$$\text{find conc.} = \frac{(0.00528)(10\text{ml})(1000)}{(30.45\text{g})(0.904)} = 1.92 \text{ ug/g}$$

[illegible]

Note: _____

PACKAGE COMPLETENESS AND DELIVERABLES

CASE NUMBER: 314450 SDG# 480-55092-1
LAB: Test America Buffalo SITE: Glen Isle

1.0 Data Completeness and Deliverables YES NO N/A

1.1 Has all the data been submitted in CLP deliverable format? ☒ 1 ☐ ☐

1.2 Have any missing deliverables been received and added to the data package? ☒ 1 ☐ ☐

ACTION: Call lab for explanation/resubmittal of any missing deliverables. If lab cannot provide them, note the effect on review of the data in the reviewer narrative.

2.0 Cover Letter; SDG Narrative

2.1 Is a laboratory narrative or cover letter present? ☒ 1 ☐ ☐

2.2 Are the case number and/or SDG number contained in the narrative or cover letter? ☒ 1 ☐ ☐

3.0 Data Validation Checklist

3.1 Does this data package contain:

Water data? ☒ 1 ☐ ☐

Waste data? ☐ 1 ☒

Soil/solid data? ☒ 1 ☐

ORGANOCHLORINE PESTICIDE

YES NO N/A

1.0 Traffic Reports and Laboratory Narrative

- 1.1 Are traffic report and chain-of-custody forms present for all samples?

☒ ☐ ☐

ACTION: If no, contact lab for replacement of missing or illegible copies.

- 1.2 Do the traffic reports, chain-of-custody forms or SDG narrative indicate any problems with sample receipt, condition of the samples, analytical problems or special circumstances affecting the quality of the data?

☐ ☒ ☐

ACTION: If any sample analyzed as a soil, other than than TCLP, contains 50%-90% water, all data should be qualified as estimated, "J." If a soil sample, other than TCLP, contains more than 90% water, all non detects are qualified as unusable, "R", and positive results flagged "J".

ACTION: If samples were not iced or if the ice was melted upon arrival at the laboratory and the temperature of the cooler was elevated (> 10° C), flag all positive results "J" and all non-detects "UJ".

2.0 Holding Times

- 2.1 Have any organochlorine pesticide technical holding times, determined from date of collection to date of extraction, been exceeded?

☐ ☒ ☐

Water and waste samples for organochlorine pesticide analysis must be extracted within 7 days of the date of collection. Extracts must be analyzed within 40 days of the date of extraction. Soils and solid samples must be extracted within 14 days of collection and analyzed within 40 days of extraction.

ACTION: Qualify sample results according to Table 1.

Table 1. Holding Time Criteria

Matrix	Preserved	Criteria	Action	
			Detected compounds	Non-detected compounds
Aqueous	No	≤ 7 days(extraction) ≤ 40 days(analysis)	J*	UJ*
	No	> 7 days(extraction) > 40 days(analysis)	J*	UJ
	Yes	≤ 7 days(extraction) ≤ 40 days(analysis)	No qualification	
	Yes	> 7 days(extraction) > 40 days(analysis)	J	UJ
	Yes/No	> 28 days (gross exceedance)	J	R
Non-aqueous	No	≤ 14days(extraction) ≤ 40 days (analysis)	J*	UJ*
	No	> 14days(extraction) >40 days(analysis)	J	UJ
	Yes	≤ 14days(extraction) ≤ 40 days(analysis)	No qualification	
	Yes	> 14days(extraction) > 40 days(analysis)	J	UJ
	Yes/No	> 28 days (gross exceedance)	J	R

* only if cooler temperature exceeds 10°C; no action required if cooler temperature < 10°C.

YES NO N/A

3.0 Surrogate Recovery (Form II/Equivalent)

3.1 Were the recoveries of tetrachloro-m-xylene (TCMX) and decachlorobiphenyl (DCB) presented on CLP Surrogate Recovery Summary forms (Form II), or equivalent, for each of the following matrices?

a. Water/Waste

☒ ☐ ☐

b. Soil/Solid

☒ ☐ ☐

3.2 Are all the pesticide samples listed on the appropriate surrogate recovery form for each of the following matrices?

a. Water

☒ ☐ ☐

b. Waste

☐ ☐ ☒

c. Soil/Solid

☒ ☐ ☐

ACTION: Call lab for explanation/resubmittals.
If missing deliverables are unavailable,
document the effect in the data assessment.

3.3 Are all recovery limits for the surrogates TCMX and DCB between 30-150% for all samples, including MS and MSDs, LCSs and all blanks?

☐ ☒ ☐

Note: ☒ Reviewer shall use lab in-house recover limits if available. In-house criteria should be examined for reasonableness.

ACTION: Circle all outliers in red. Follow surrogate action Table 2.

3.5 Were surrogate retention times (RT) within the windows established during the initial 5-point analysis?

☒ ☐ ☐

ACTION: Follow surrogate action, Table 2 below.

YES NO N/A

Table 2. Surrogate Recovery Criteria

Criteria	Action	
	Detected Target Compounds	Non-detected Target Compounds
%R > 200%	J	Use professional judgement
150% < %R ≤ 200%	J	No qualification
30% ≤ %R ≤ 150%	No qualification	
10% ≤ %R < 30%	J	UJ
%R < 10% (sample dilution not a factor)	J	R
%R < 10% (sample dilution is a factor)	Use professional judgement	
RT out of RT window	Use professional judgement	
RT within RT window	No qualification	

3.6 Are there any transcription/calculation errors between raw data and Form II?

11 / — —

ACTION: If large errors exist, call lab for explanation/resubmittal. Make any necessary corrections and document the effect in data assessments.

4.0 Laboratory Control Sample (LCS)

4.1 Is the LCS prepared, extracted, analyzed, and reported once for every 20 field samples.

11 / — —

ACTION: If any Laboratory Control Sample data are missing, call the lab for explanation /resubmittals. Make note in the data assessment.

YES NO N/A

- 4.2 Were Laboratory Control Samples analyzed
at the required concentration for all analytes
of interest as specified in Table 3 below.

☒ ☐ ☐

Note: Use lab in-house criteria, if available.

Table 3. LCS Spiking Criteria

LCS Spike Compound	Spiking solution ug/l	Amount spiked to 100ml aqueous sample or 30g soil sample ml	Recovery Limits (%)
gamma-BHC	0.05	1	50-120
Heptachor epoxide	0.05	1	50-120
Dieldrin	0.01	1	30-130
4,4'-DDE	0.01	1	50-150
Endrin	0.01	1	50-120
Endosulfan sulfate	0.01	1	50-120
gamma-Chloradane	0.05	1	30-130
Tetrachloro-m- xylene (surrogate)	0.20	3	30-150
Decachlorobiphenyl (surrogate)	0.40	3	30-150

Note: The LCS might be spiked with the same analytes at
the same concentration as the matrix spike.

ACTION: If Laboratory Control Samples were not analyzed at
the required concentration or the required
frequency, make note in the data assessment and
use professional judgement to determined the
affect on the data.

- 4.3 Do average recovery for each analyte meet the corresponding
QC acceptance criteria, ~~listed in table above?~~ ☒ ☐ ☐
lab limits?

YES NO N/A

ACTION: For LCS % recovery not meeting the required recovery, follow the required action in Table 4 below.

Table 4. LCS Recovery Criteria

Criteria	Action	
	Detected Associated Compounds	Non-Detected Compounds
%R > Upper Acceptance Limit	J	No qualification
%R < Upper Acceptance Limit	J	R
Lower Acceptance Limit ≤ %R ≤ Upper Acceptance Limit	No qualifications	

5.0 Matrix Spikes (Form III/Equivalent)

5.1 Are all data for matrix spike and matrix duplicate or matrix spike duplicate (MS/MD or MS/MSD) present and complete for each matrix?

1.1 /

NOTE: For soil and waste samples showing detectable amounts of organics, the lab may substitute replicate samples in place of the matrix spike (see page 8000B-40, section 8.5.3).

5.2 Have MS/MD or MS/MSD results been summarized on Form III/Equivalent?

1.1 /

ACTION: If any data are missing take action as specified in section 3.2 above.

5.3 Were matrix spikes analyzed at the required frequency for each of the following matrices? (One MS/MD, MS/MSD or laboratory replicate must be performed for every 20 samples of similar matrix or concentration level. Laboratories analyzing one to ten samples per month are required to analyze at least one MS per month [page 8000B-39, section 8.5.])

YES NO N/A

- a. Water ☐ ☐ ☒
- b. Waste ☐ ☐ ☒
- c. Soil/Solid ☐ ☐ ☒

ACTION: If any MS/MD, MS/MSD or replicate data are missing, take the action specified in 3.2 above.

5.4 We Were Matrix Spike Samples analyzed at the required concentration for all analytes of interest as specified in Table 5 below.

☒ ☐ ☐

Note: Spiking analytes may differ from those in Table 5. Check QA project plan or task order.

Table 5. Matrix Spiking Criteria

Matrix Spike Compound	Spiking solution ug/l	Amount spiked to 100ml aqueous sample or 30g soil sample ml
gamma-BHC	0.05	1
Heptachor	0.05	1
Aldrin	0.05	1
Dieldrin	1.0	1
Endrin	1.0	1
4,4'-DDT	1.0	1

Note: For aqueous organic extractable, the spike concentration should be:

- 1) For regulatory compliance monitoring - the regulatory concentration limit or 1 to 5 times the expected background concentration, whichever is higher;
- 2) For all other aqueous samples - the larger of either 1 to 5 x times the expected background

YES NO N/A

concentration, or the same as the QC check sample concentration (see section 4 above);

- 3) For soil/solid and waste samples - the recommended concentration is 20 times the estimated quantitation limit (EQL).

No action is taken based on MS or replicate data alone. However, using informed professional judgement, the data reviewer may use the matrix spike or laboratory replicate results in conjunction with other QC criteria and determine the need for some qualification of the data. In some instances it may be determined that only the replicate or spiked samples are affected. Alternatively, the data may suggest that the laboratory is having a systematic problem with one or more analytes, thereby affecting all associated samples.

5.5 Do average recovery for each analyte meet the corresponding QC acceptance criteria listed in ~~Table 6~~ below. *lab limits.*

11 — ✓

Note: ✓ Use lab in-house criteria, if available.

Table 6. Matrix Spike Recovery Criteria

Compound	% Recovery Water	RPD Water	% Recovery Soil	RPD Soil
gamma-BHC	56-123	0-15	46-127	0-50
Heptachor	40-13	0-20	35-130	0-31
Aldrin	40-120	0-22	34-132	0-43
Dieldrin	52-126	0-18	31-134	0-38
Endrin	56-121	0-21	42-139	0-45
4,4'-DDT	38-127	0-27	23-134	0-50

NOTE: The actual number of MS analytes depends on the number analytes being measured (e.g., total number of MS plus MSD compounds). If only chlordane or toxaphene are the analytes of

YES NO N/A

interest, the spiked sample should contain the most representative multi-component analyte.

ACTION: Follow the matrix spike actions (Table 7)
for pesticide analyses.

Table 7. Matrix Spike Qualifying Criteria

Criteria	Action	
	Detected Associated Compounds	Non-Detected Compounds
%R or RPD > Upper Acceptance Limit	J	No qualification
20% R ≤ %R < Lower Acceptance Limit	J	UJ
%R < 20%	J	Use professional judgement
Lower Acceptance Limit ≤ %R; RPD ≤ Upper Acceptance Limit	No qualifications	

Note: When the results of the matrix spike analyses indicates a potential problem due to the sample matrix itself, the LCS results are used to verify the laboratory can perform analyses in a clean matrix.

6.0 Blanks (Form IV/Equivalent)

6.1 Was reagent blank data reported on Method
Blank Summary form(s) (Form IV)?

6.2 Frequency of Analysis: Has a reagent blank been analyzed
for every 20 (or less) samples of similar matrix or
concentration or each extraction batch? ☒ ☐ ☐

Note: Method blank should be analyzed, either after the
calibration standard or at any other time during the
analytical shift.

YES NO N/A

ACTION: If any blank data are missing, take action as specified above (section 3.2). If blank data is not available, reject (R) all associated positive data. However, using professional judgement, the data reviewer may substitute field blank data for missing method blank data.

6.3 Chromatography: review the blank raw data - chromatograms, quant reports or data system printouts.

Is the chromatographic performance (baseline stability) for each instrument acceptable for pesticides?

☒

ACTION: Use professional judgement to determine the effect on the data.

7.0 Contamination

NOTE: "Water blanks", "distilled water blanks" and "drilling water blanks" are validated like any other sample and are not used to qualify the data. Do not confuse them with the other QC blanks discussed below.

7.1 Do any method/instrument/reagent/cleanup blanks have positive results for organochlorine pesticides? When applied as described below, the contaminant concentration in these blanks are multiplied by the sample Dilution Factor and corrected for % moisture when necessary.

 ☒

7.2 Do any field/rinse blanks have positive organochlorine pesticide results?

 ☒

ACTION: Prepare a list of the samples associated with each of the contaminated blanks. (Attach a separate sheet.)

NOTE: All field blank results associated to a particular group of samples (may exceed one per case or one per day) may be used to qualify data. Blanks may not be qualified because of contamination in

YES NO N/A

another blank. Field blanks must be qualified for surrogate, or calibration QC problems.

ACTION: Follow the directions in Table 8 below to qualify sample results due to contamination. Use the largest value from all the associated blanks.

Table 8. Blank Contamination Criteria

Blank Type	Blank Result	Sample Result	Action for Samples
Method, Clean up, Instrument, Field	Detects	Not detected	No qualification
	< CRQL	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification
	> CRQL	< CRQL	Report CRQL value with a U
		≥ CRQL and < blank contamination	Report the concentration for the sample with a U
		≥ CRQL and ≥ blank contamination	No qualification
	= CRQL	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification
	Gross contamination	Detects	Qualify results as unusable R

Note: Analytes qualified "U" for blank contamination are treated as "hits" when qualifying the calibration criteria.

Note: When applied as described in Table 8 above, the contaminant concentration in the blank is multiplied by the sample dilution factor.

NOTE: If gross blank contamination exists(e.g., saturated peaks, "hump-o-grams", "junk peaks"), all affected positive compounds in the associated samples should be qualified as unusable "R", due to interference.

YES NO N/A

Non-detected pesticide target compounds do not require qualification unless the contamination is so high that it interferes with the analyses of non-detected compounds.

7.3 Are there field/rinse/equipment blanks associated with every sample?

☒ ☐ ☐

ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

8.0 Gas Chromatography with Electron Capture Detector (GC/ECD) Instrument Performance Check (CLP Form VI and Form VII Equivalent)

8.1 Was the proper gas chromatographic column used for the analysis of organochlorine pesticides?

Check raw data, instrument logs, or contact the lab to determine what type of columns were used.
(See Method 8081B-8, section 4.2)

☒ ☐ ☐

8.2 If capillary columns were used, were they both wide bore (.53 mm ID) fused silica GC columns, such as DB-608 and DB-1701 or equivalent.

Indicate the specific type of column used for:

column 1: _____

column 2: _____

ACTION: Note any changes to the suggested materials in section 8.1 above in the data assessment. Also note the impact (positive or negative) such changes have on the analytical results.

9.0 Calibration and GC Performance

9.1 Are the following Gas Chromatograms and Data Systems Printouts for both columns present for all samples, blanks, MS, replicates?

a. DDT/endrin breakdown check

☒ ☐ ☐

YES NO N/A

- | | | | | |
|----|-------------------------------------|-------------------------------------|--------------------------|--------------------------|
| b. | toxaphene | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| c. | technical chlordane | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| d. | 5 pt. initial calibration standards | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| e. | calibration verification standards | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| f. | LCS | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| g. | Method blanks | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

ACTION: If no, take action specified in 3.2 above.

- 9.2 Has a DDT/endrin breakdown check standard (at the mid-concentration level) been analyzed at the beginning of each analytical sequence on both columns (page 8081B-24, section 8.2.3)? ☒ ☐ ☐

ACTION: If no, take action as specified in 3.2 above.

- 9.3 Has the individual % breakdown exceeded 20.0% on either column for:

- | | | | |
|---------------|-------------------------------------|-------------------------------------|--------------------------|
| - 4,4' - DDT? | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| - endrin? | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

ACTION: If any % breakdown has failed the QC criteria in the breakdown check standard, qualify all sample analyses in the entire analytical sequence as described below.

- a. If 4,4'-DDT breakdown is greater than 20.0%:
- i. Qualify all positive results for DDT with 'J'. If DDT was not detected, but DDD and DDE are positive, then qualify the quantitation limit for DDT as unusable ('R').
 - ii. Qualify positive results for DDD and DDE as presumptively present at an approximated quantity ('NJ').

YES NO N/A

b. If endrin breakdown is greater than 20.0%:

i. Qualify all positive results for endrin with "J". If endrin was not detected, but endrin aldehyde and endrin ketone are positive, then qualify the quantitation limit for endrin as unusable ("R").

ii. Qualify positive results for endrin ketone and endrin aldehyde as presumptively present at an approximated quantity ("NJ").

9.4 Are data summary forms (containing calibration factors or response factors) for the initial 5 pt. calibration and daily calibration verification standards present and complete for each column and each analytical sequence? 1/1

NOTE: If internal standard calibration procedure is used (page 8000B-16, section 7.4.2.2), then response factors must be used for %RSD calculations and compound quantitation. If, external standard calibration procedures are used (page 8000B-16, section 7.4.2.1), then calibration factors must be used.

ACTION: If any data are missing or it cannot be determined how the laboratory calculated calibration factors or response factors, contact the lab for explanation/resubmittals. Make necessary corrections and note any problems in the data assessment.

9.5 Are there any transcription/calculation errors between raw data and data summary forms. 1/1

ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and document the effect in data assessments.

9.6 Are standard retention time (RT) windows for each analyte of interest presented on modified CLP summary forms? 1/1

YES NO N/A

ACTION: If any data are missing, or it cannot be determined how RT windows were calculated, call the lab for explanation/resubmittals. Note any problems in the data assessment.

NOTE: Retention time windows for all pesticides are established using retention times from three calibration standards analyzed during the entire analytical sequence (page 8081B-15, section 7.4.6).

A 72 hr. sequence is not required with this method, however, the method states that best results are obtained using retention times which span the entire sequence; i.e., using the mid level from the 5 pt. calibration, one of the mid-concentration standards analyzed during mid-sequence and one analyzed at the end.

9.7 Were RT windows on the confirmation column established using three standards as described above? ☒ — —

NOTE: RT windows for the confirmation column should be established using a 3 pt. calibration, preferably spanning the entire analytical sequence as described in 9.6 above. If RT windows on one column are tighter than the other, this may result in false negatives when attempting to identify compounds in the samples.

ACTION: Note potential problems, if any, in the data assessment.

9.8 Do all standard retention times in each level of the initial 5 pt. calibrations for pesticides fall within the windows established during the initial calibration sequence?

☒ — —

ACTION: i. If no, all samples in the entire analytical sequence are potentially affected. Check to see if three standards, spanning the entire sequence were used to obtained RT windows. If the lab used three standards from the 5 pt., RT windows

YES NO N/A

may be too tight. If so, RT windows should be recalculated as per page 8081B-15, section 7.4.6.2

- ii. Alternatively, check to see if the chromatograms contain peaks within an expanded window surrounding the expected retention times.

If no peaks are found and the surrogates are visible, non-detects are valid. If peaks are present but cannot be discerned through pattern recognition or by using revised RT windows, qualify all positive results and non-detects as unusable, "R".

ACTION: For toxaphene and chlordane, the RT may be outside the RT window, but these analytes may still be identified from their individual patterns.

9.9 Has the linearity criteria for the initial calibration standards been satisfied for both columns? (% RSD must be < allowable limits* for all analytes). (all rx) 1/1 — —

ACTION: If no, follow the actions in Table 9 below.

Table 9. Initial Calibration Linearity Criteria

Criteria	Criteria	
	Detected Associated Compounds	Non-Detected Associated Compounds
% RSD exceeds allowable limits*	J	No qualification
% RSD within allowable limits*	NO qualifications	

- * %RSD \leq 20% for single component compounds except alpha-BHC and delta-BHC.
%RSD \leq 25% for alpha-BHC and delta-BHC
%RSD \leq 30% for Toxaphene peaks
%RSD \leq 30% for surrogates (tetrachloro-m-xylene and decachlorobiphenyl).

9.10 Has a calibration verification standard containing all analytes of interest been analyzed on each

YES NO N/A

working day, prior to sample analyses (pages
8081B-15, sections 7.5.2)?

☒ ☐ ☐

9.11 Has a calibration verification standard also been
analyzed after every 10 samples and at the end of
each analytical sequence (page 8081B-15, section
7.5.2)?

☒ ☐ ☐

ACTION: If no, take action as specified in section 3.2
above.

9.12 Has no more than 12 hours elapsed from the injection
of the opening CCV and the end of the analytical sequence
(closing CCV). Has no more than 72 hours elapsed from
the injection of the sample with a Toxaphene
detection and the Toxaphene CCV?

☒ ☐ ☐

ACTION: See Table 10 below.

9.13 Has the percent difference (%D) exceeded $\pm 20\%$ for
any organochlorine pesticide analyte in any
calibration verification standard?

☐ ☐ ☐

9.14 Has a new 5 pt. calibration curve been generated
for those analytes which failed in the calibration
verification standard (page 8081B-16, section
7.5.2.2), and all samples which followed the out-
of-control standard (page 8081B-16, section
7.5.2.3) reinjected?

☐ ☐ ☒

ACTION: If the %D for any analyte exceeded the $\pm 20\%$
criterion and the instrument was not recalibrated
for those analytes, see table below.

9.15 Have daily retention time windows been properly
calculated for each analyte of interest (page
8081B-16, section 7.5.3)), using RTs from the
associated mid concentration standard
and standard deviation from the initial
calibration)?

☒ ☐ ☐

YES NO N/A

ACTION: If no, take action specified in section 3.2 above or recalculate RT windows using the procedure outlined in method 8081B-16, section 7.5.3.

9.16 Do all standard retention times for each mid concentration standard fall within the windows established during the initial calibration sequence?

☒ 1 _ _

9.17 Do all standard retention times for each mid-concentration standard (analyzed after every 10 samples) fall within the daily RT windows (page 8081B-16, section 7.5.3)?

☒ 1 _ _

ACTION: If the answer to either 9.15 or 9.16 above is no, check the chromatograms of all samples which followed the last in-control standard. All samples analyzed after the last in-control standard must be re-injected, if initial analysis indicated the presence of the specific analyte that exceeded the retention time criteria (page 8081B-18, section 7.5.7.). If samples were not re-analyzed, document under Contract Non-compliance in the Data Assessment.

Reviewer has two options to determine how to qualify questionable sample data. First option is to determine if possible peaks are present within daily retention time window. If no possible peaks are found, non-detects are valid. If possible peaks are found (or interference), qualify positive hits as presumptively present "NJ" and non-detects are rejected "R". Second option is to use the ratio of the retention time of the analyte over the retention time of either surrogate. The passing criteria is ± 0.06 RRT units of the RRT of the standard component. Reject "R" all questionable analytes exceeding criteria, and "NJ" all other positive hits.

For any multi-response analytes, retention time windows should be used but analyst and reviewer should rely primarily on pattern recognition or use option 2 specified in paragraph above.

YES NO N/A

See Table 10 below.

Table 10. CCV Criteria

Criteria	Action	
	Detected Associated Compounds	Non-Detected Associated Compounds
RT out of RT window	Use professional judgement	
%D not within +/- 20%	J	UJ
Time elapsed greater than section 9.12 criteria.	R	
%D, time elapsed, RT are all within acceptable limits.	No qualifications	

9.18 Are there any transcription/calculation errors between raw data and data summary forms? 11

ACTION: If large errors exists, call lab for explanation/resubmittal, make any necessary corrections and document the effect in data assessments under "Conclusions".

10.0 Analytical Sequence Check (Form VIII-PEST/Equivalent)

10.1 Have all samples been listed on CLP Form VIII or equivalent, and are separate forms present for each column? 11

ACTION: If no, take action specified in 3.2 above.

10.2 Was the proper analytical sequence followed for each initial calibration and subsequent analyses? 11

ACTION: If no, use professional judgement to determine the severity of the effect on the data and qualify it

accordingly. Generally, the effect is negligible unless the sequence was grossly altered or the calibration was also out of limits.

11.1 Method 8081B permits a variety of extraction techniques to be used for sample preparation. Which extraction procedure was used?

1. Separatory funnel (Method 3510) _____
2. Continuous liquid-liquid extraction
(Method 3520) _____
3. Solid phase extraction (Method 3535) _____
4. Other _____

1. Soxhlet (Method 3540) _____
2. Automated Soxhlet (Method 3541) _____
3. Pressurized fluid (Method 3545) _____
4. Microwave extraction (Method 3546) _____
5. Ultrasonic extraction (Method 3550) _____
6. Supercritical fluid (Method 3562) _____
7. Other _____

11.2 Is Form IX - Pest-1/Equivalent present and complete for each lot of Florisil/Cartridges used? (Florisil Cleanup, Method 3620A, is required for all organochlorine pesticide extracts.) 11 /

YES NO N/A

ACTION: If no, take action specified in 3.2 above. If data suggests that florisil cleanup was not performed, make note in the reviewer narrative.

NOTE: Method 3620A uses Florisil, while the SOW/CLP allows for Florisil cartridges. Method 3620A does not list which pesticides and surrogate(s) to use to verify column efficiency. The reviewer must check project plan to verify method used as well as the correct pesticide list. If not stated or available, use the CLP listing or accept what the laboratory used.

11.3 Are all samples listed on modified CLP Pesticide Florisil/Cartridge Check Form?

☐ ☒ — —

ACTION: If no, take action specified in 3.2 above.

11.4 If GPC Cleanup was performed, is Form IX - Pest-2/ Equivalent present?

☐ ☒ — —

ACTION: If GPC was not performed and sample results indicate significant sulfur interference, make note in the data assessment.

NOTE: GPC cleanup is not required and is optional. The reviewer should check Project Plan to verify requirement.

11.5 Were the same compounds on Form IX used to check the efficiency of the cleanup procedures?

☐ ☒ — —

11.6 Are percent recoveries (% R) of the pesticide and surrogate compounds used to check the efficiency of the cleanup procedures within QC limits listed on Form IX:

80-120% for florisil cartridge check?

☐ ☒ — —

80-110% for GPC calibration?

☐ ☒ — —

YES NO N/A

Qualify only the analyte(s) which fail the recovery criteria as follows:

ACTION: If % R are < 80%, qualify positive results "J" and quantitation limits "UJ". Non-detects should be qualified "R" if zero %R was obtained for pesticide compounds. Qualify positive results "J" (estimated).

NOTE: If 2,4,5-trichlorophenol was used to measure the efficiency of the Florisil cleanup and the recovery was > 5%, sample data should be evaluated for potential interferences.

12.0 Pesticide Identification

12.1 Has CLP Form X, showing retention time data for positive results on the two GC columns, been completed for every sample in which a pesticide was detected? ☒ — —

ACTION: If no, take action specified in 3.2 above, or compile a list comparing the retention times for all sample hits on the two columns.

12.2 Are there any transcription/calculation errors between raw data and data summary forms (initial calibration summaries, calibration verification summaries, analytical sequence summaries, GPC and Florisil cleanup verification forms)? — ☒ —

ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and note error in the data assessment.

12.3 Are retention times (RT) of sample compounds within the established RT windows for both analyses? ☒ — —

Note: Confirmation can be supported by other qualitative techniques such as GC/MS (Method 8270), or GC/AED (Method 8085) if sensitivity permits.

YES NO N/A

ACTION: Qualify as unusable (R) all positive results which were not confirmed by second GC column analysis. Also qualify "R", unusable, all positive results not within RT windows unless associated standard compounds are similarly biased. The reviewer should use professional judgement to assign an appropriate quantitation limit.

12.4 Check chromatograms for false negatives, especially if RT windows on each column were established differently (see section 9.7 above). Also check for false negatives among the multiple peak compounds toxaphene and chlordane. Were there any false negatives?

11 14

ACTION: Use professional judgement to decide if the compound should be reported. If there is reason to believe that peaks outside retention RT windows should be reported, make corrections to data summary forms (Form I) and note in data assessment.

12.5 Was GC/MS confirmation used as the second column Confirmation? (This is not required).

11 14

12.6 Is the percent difference ^{KPD} ~~(%D)~~ calculated for the positive sample results on the two GC columns <25.0%?

11 14

NOTE: The method 8081B requires quantitation from one column. The second column is to confirm the presence of an analyte. Calibration for the Confirmation column is a one point calibration. It is the reviewer's responsibility to verify from the project plan what the lab was required to report. If the lab was required to report concentrations from both columns, continue with validation for % Difference. If required, but not reported, either contact the lab for results or calculate the concentrations from the calibration. If not required, skip this section. Document actions in Data Assessment.

YES NO N/A

ACTION: If the reviewer finds neither column shows interference for the positive hits, the data should be qualified as follows:

<u>% Difference</u>	<u>Qualifier</u>
0-25%	none
26-70%	"J"
71-100%	"NJ"
101-200% (No Interference)	"R"
101-200% (Interference detected)	"NJ"
>50% (Pesticide vale is <CRQL)	"U"
>201%	"R"

Note: The lower of the two values is reported on Form I. If using professional judgement, the reviewer determines that the higher result was more acceptable, the reviewer should replace the value and indicate the reason for the change in the data assessment.

13.0 Compound Quantitation and Reported Detection Limits

13.1 Are there any transcription/calculation errors in Form I results? Check at least two positive values. Were any errors found?

— 1/1 —

NOTE: Single-peak pesticide results can be checked for rough agreement between quantitative results obtained on the two GC columns. The reviewer should use professional judgement to decide whether a much larger concentration obtained on one column versus the other indicates the presence of an interfering compound. If an interference is suspected, the lower of the two values should be reported and qualified according to section 12.6 above. This necessitates a determination of an estimated concentration on the confirmation column. The narrative should indicate that the presence of interferences has led to the quantitation of the second column confirmation results.

YES NO N/A

13.2 Are the EDLs (Estimated Detection Limits) adjusted to reflect sample dilutions and, for soils, % moisture?

☒ ☐ ☐

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and document effect in data assessments.

ACTION: When a sample is analyzed at more than one dilution, the lowest EDLs are used (unless a QC exceedance dictates the use of the higher EDL data from the diluted sample analysis). Replace concentrations that exceed the calibration range in the original analysis by crossing out the value on the original Form I and substituting it with data from the analysis of diluted sample. Specify which Form I is to be used, then draw a red "X" across the entire page of all Form I's that should not be used, including any in the summary package.

ACTION: EDLs affected by large, off-scale peaks should be qualified as unusable, "R". If the interference is on-scale, the reviewer can provide a modified EDL flagged "UJ" for each affected compound.

14.0 Chromatogram Quality

14.1 Were baselines stable?

☒ ☐ ☐

14.2 Were any electropositive displacement (negative peaks) or unusual peaks seen?

☐ ☒ ☐

ACTION: Note all system performance problems in the data assessment.

15.0 Field Duplicates

15.1 Were any field duplicates submitted for organochlorine pesticide analysis?

☐ ☒ ☐

ACTION: Compare the reported results for field duplicates and calculate the relative percent difference.

ACTION: Any gross variation between field duplicate results must be addressed in the reviewer narrative. However, if large differences exist, the identity of the field duplicates is questionable. An attempt should be made to determine the proper identification of field duplicates.

Site: Glen Isle
Laboratory: Test America Buffalo, NY
Report No.: 480-55092-1
Reviewer: Christina Rink and Ming Hwang/Laboratory Data Consultants for RXR
Glen Isle Partners, LLC
Date: March 20, 2014

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
CC-C-029-0-2	480-55092-1	Metals
CC-C-029-8-10**	480-55092-2	Metals
CC-C-041-0-2	480-55092-3	Metals
CC-C-041-2-4	480-55092-4	Metals
CC-C-041-8-10	480-55092-5	Metals
FB003-GW	480-55092-6	Metals
FB026	480-55092-7	Metals
CC-C-029-2-4	480-55092-9	Metals
CC-C-029-0-2MS	480-55092-1MS	Mercury
CC-C-029-0-2MSD	480-55092-1MSD	Mercury

Associated QC Samples(s):

Field/Trip Blanks: FB003-GW, FB026

Field Duplicate pair: None Associated

The above-listed soil and water samples were collected on February 19, 2014 and were analyzed for metals by SW-846 methods 6010C, 7470A, and 7471B. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for the Evaluation of Metals for the Contract Laboratory Program*, SOP HW-2, Revision 13 (September 2006) and the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, EPA 540-R-10-011* (January 2010), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- Instrument Calibration
- Contract Required Quantitation Limit (CRQL) Standard Recoveries
- Blank Analysis Results
- Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
- Matrix Spike (MS) Results
- Laboratory Duplicate Results
- Field Duplicate Results
- Laboratory Control Sample (LCS)/Certified Reference Material (CRM) Results
- Serial Dilution Results
- Moisture Content
- Detection Limits Results
- Sample Quantitation Results

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers.

Samples indicated by a double asterisk on the front cover underwent Category B review. A Category A review was performed on all of the other samples. Calibration and raw data were not evaluated for the samples reviewed by Category A criteria since this review is based on QC data.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All criteria were met for samples on which a Category B review was performed. Calibration data were not evaluated for the samples reviewed by Category A criteria.

CRQL Standard Recoveries

All criteria were met. CRQL recoveries were not evaluated for the samples reviewed by Category A criteria.

Blank Results

Analytes were detected below the reporting limits in the laboratory method and instrument blank samples. Instrument blanks were not evaluated for Category A. The following table summarizes the contamination and validation actions taken.

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
PB (prep blank)	Calcium	7.49 mg/Kg		All soil samples in SDG 480-55092-1
	Iron	5.23 mg/Kg		
	Magnesium	2.33 mg/Kg		
	Manganese	0.134 mg/Kg		
	Zinc	0.354 mg/Kg		
PB (prep blank)	Iron	0.0318 mg/L		All water samples in SDG 480-55092-1
	Manganese	0.00228 mg/L		
	Zinc	0.00172 mg/L		
ICB/CCB	Copper	0.00203 mg/L		CC-C-029-8-10**
	Iron	0.0253 mg/L		
	Manganese	0.000500 mg/L		

Blank Actions for analytes detected below the reporting limit(RL).

If the sample result is < RL, report the result as nondetect (U) at the RL.

If the sample result is > RL or nondetect, no action is required.

Blank Actions for analytes detected above the reporting limit or RL.

If the sample result is < RL and < action level; report the result as nondetect (U) at the RL.

If the sample result is > RL and < action level; report the result as nondetect (U) at the reported value.

If the sample result is > action level or nondetect, no action is required.

Qualified sample results are listed in the table below.

Sample	Analyte	Reported Level	Validation Action
FB003-GW	Zinc	0.0070 mg/L	0.010U mg/L
FB026	Manganese	0.00069 mg/L	0.0030U mg/L

These results can be used for project objectives as nondetect (U) which may have a minor impact on the data usability.

FB003-GW and FB026 were identified as field blanks. Analytes were detected above the reporting limits in the field blank sample FB0003-GW. The following table summarizes the contamination and validation actions taken.

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
FB003-GW	Barium	0.026 mg/L		None
	Calcium	32.0 mg/L		
	Magnesium	8.3 mg/L		
	Manganese	0.0031 mg/L		
	Potassium	1.6 mg/L		
	Sodium	12.8 mg/L		

ICP ICS Results

All analytes were recovered within control limits in the ICSA and ICSAB analyses on which a Category B review was performed. ICP ICS data were not evaluated for the samples reviewed by Category A criteria.

MS/MSD Results

The laboratory performed MS and MSD analyses on samples CC-C-046-4-6** for ICP metals and CC-C-029-0-2 for mercury. The following table lists the analytes which exhibited recoveries outside of the control limits of 75 - 125% in the MS/MSD and the resulting validation actions.

MS Sample	Analyte	MS %R	MSD %R	RPD Limits	QC Limits	Associated Samples	Validation Actions
CC-C-046-4-6MS/MSD	Aluminum	211	217	-	75-125	All soil samples in 480-55092-1	J detects
	Chromium	73	-	-	75-125		J detects
	Copper	46	61	-	75-125		J detects
	Lead	70	-	-	75-125		J detects
	Magnesium	-	140	-	75-125		J detects
CC-C-046-4-6MS/MSD	Antimony	73	74	-	75-125	All soil samples in 480-55092-1	J detects UJ nondetects
CC-C-029-0-2MS/MSD	Mercury	65	72	-	75-125	All soil samples in 480-55092-1	J detects UJ nondetects

Estimate (J) the positive aluminum and magnesium results for the samples listed above due to high MS percent recovery results. The results may be biased high. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Estimate (J) the positive chromium, copper, and lead results for the samples listed above due to low MS percent recovery results. The results may be biased low. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Estimate (J/UJ) the positive and nondetect antimony and mercury results for the samples listed above due to low MS percent recovery results. The results may be biased low. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Laboratory Duplicate Results

Laboratory duplicates were not associated with this sample set. Validation action was not required on this basis.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

LCS/CRM Results

All criteria were met.

Serial Dilution Results

All criteria were met.

Moisture Content

All criteria were met.

Detection Limits Results

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL). These results were estimated (J) by the laboratory.

No dilutions were required.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

- U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.
- J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.
- UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.
- R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 31445B4

VALIDATION COMPLETENESS WORKSHEET

SDG #: 480-55092-1

Cat A/Cat B

Laboratory: Test America, Inc.

Date: 3/17/14

Page: 1 of 1

Reviewer: W2nd Reviewer: CRMETHOD: Metals (EPA SW 846 Method 6010C/7000) ^{7471 B / 7470 D}

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/19/14
II.	ICP/MS Tune	LA	Not reviewed for Cat A review.
III.	Calibration	A	Not reviewed for Cat A review.
IV.	Blanks	SW	TB/CB ✓
V.	ICP Interference Check Sample (ICS) Analysis	A	Not reviewed for Cat A review.
VI.	Matrix Spike Analysis	SW	
VII.	Duplicate Sample Analysis	N	
VIII.	Laboratory Control Samples (LCS)	A	LCS, CRM.
IX.	Internal Standard (ICP-MS)	NA	
X.	ICP Serial Dilution	A	Not reviewed for Cat A review.
XI.	Sample Result Verification	A	Not reviewed for Cat A review. MCL <u>check</u> CCL <u>check</u> JLA
XII.	Overall Assessment of Data	A	
XIII.	Field Duplicates	N	
XIV.	Field Blanks	SW	FB=6, 7 ✓

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

1	CC-C-029-0-2	11	MB	21		31	
2	CC-C-029-8-10*	12		22		32	
3	CC-C-041-0-2	13		23		33	
4	CC-C-041-2-4	14		24		34	
5	CC-C-041-8-10	15		25		35	
6	FB003-GW	16		26		36	
7	FB026	17		27		37	
8	CC-C-029-2-4	18		28		38	
9	CC-C-029-0-2MS	19		29		39	
10	CC-C-029-0-2MSD	20		30		40	

Notes: to laboratory

All circled elements are applicable to each sample.

[illegible]

Comments: Mercury by CVAA if performed

VALIDATION FINDINGS WORKSHEET
PB/ICB/CCB QUALIFIED SAMPLES

METHOD: Trace Metals (SW 846 6010C/7471B/7470A)

Soil preparation factor applied: Sample Concentration units, unless otherwise noted: mg/Kg Associated Samples: All Soil (>RL)

					Sample Identification									
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit										
Ca	7.49													
Fe	5.23													
Mg	2.33													
Mn	0.134													
Zn	0.354													

Sample Concentration units, unless otherwise noted: mg/L Associated Samples: All Water

					Sample Identification									
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit	6	7								
Fe		0.0318												
Mn		0.00228				0.00069/0.0030								
Zn		0.00172			0.0070/0.010									

Sample Concentration units, unless otherwise noted: mg/Kg Associated Samples: 2 (>RL)

					Sample Identification									
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit										
Cu			0.00203											
Fe			0.0253											
Mn			0.000500											

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".

Note : a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

LDC #: 31445B4**VALIDATION FINDINGS WORKSHEET**
Field BlanksPage: 1 of 2
Reviewer: [Signature]
2nd Reviewer: [Signature]**METHOD:** Trace Metals (EPA SW846 6010C/7471B/7470A)☒ **Y** **N** **N/A** Were field blanks identified in this SDG?☒ **Y** **N** **N/A** Were target analytes detected in the field blanks?**Blank units:** mg/L **Associated sample units:** mg/L**Sampling date:** 2/19/14 Soil factor applied **Field blank type:** (circle one) Field Blank / Rinsate / Other: FB Associated Samples: None

Analyte	Blank ID	Sample Identification											
	6	Action level											
Ba	0.026	0.26											
Ca	32.0	320											
Mg	8.3	83											
Mn	0.0031	0.031											
K	1.6	16											
Na	12.8	128											

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

Samples with analyte concentrations within five times the associated field blank concentration are listed above, these sample results were qualified as not detected, "U".

LDC #: 3148B4

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Page: 1 of 1
Reviewer: [Signature]
2nd Reviewer: [Signature]

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$$\%R = \frac{\text{Found}}{\text{True}} \times 100$$

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	m Found (ug/L)	m True (ug/L)	Recalculated	Reported	Acceptable (Y/N)
					%R	%R	
IaV	ICP (Initial calibration)	Ag	0.3787	0.375	101	101	Y
	ICP/MS (Initial calibration)						
IcV	CVAA (Initial calibration)	Hg	0.1040	0.10310	99	99	Y
	ICP (Continuing calibration)						
cu	ICP (Continuing calibration)	Sb	0.475	0.500	95	95	Y
	ICP/MS (Continuing calibration)						
cu	CVAA (Continuing calibration)	Hg	0.10191	0.10200	96	96	Y
	GFAA (Initial calibration)						
	GFAA (Continuing calibration)						

Comments: Refer to Calibration Verification findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31445B7

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Page: 1 of 1
Reviewer: [Signature]
2nd Reviewer: [Signature]

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$$\%R = \frac{\text{Found}}{\text{True}} \times 100$$
 Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$$RPD = \frac{|S-D|}{(S+D)/2} \times 100$$
 Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$$\%D = \frac{|I-SDR|}{I} \times 100$$
 Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (units)	True / D / SDR (units)	Recalculated	Reported	Acceptable (Y/N)
					%R / RPD / %D	%R / RPD / %D	
<u>ICSA</u>	ICP interference check	<u>Se</u>	<u>0.2559</u>	<u>0.0500</u>	<u>112</u>	<u>112</u>	<u>Y</u>
<u>LC</u>	Laboratory control sample	<u>Be</u>	<u>68.5</u>	<u>72.3</u>	<u>94.7</u>	<u>94.7</u>	<u>Y</u>
<u>9</u>	Matrix spike	<u>Hg</u>	(SSR-SR) <u>0.249</u>	<u>0.378</u>	<u>65</u>	<u>65</u>	<u>Y</u>
<u>acc 08/14/10</u> <u>my 9/1/10</u>	Duplicate	<u>Cr</u>	<u>67.5</u>	<u>58.4</u>	<u>14</u>	<u>14</u>	<u>Y</u>
<u>↓ +</u>	ICP serial dilution	<u>As</u>	<u>54.255</u>	<u>54.25</u>	<u>3.7</u>	<u>3.7</u>	<u>Y</u>

Comments: Refer to appropriate worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

Note: _____

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(b) Form I's?

YES	NO	N/A
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Is the number of samples on the Cover
Page the same as the number of
samples on the Traffic Report sheet
and the Regional Record of Communication
(ROC) for the data Case?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

ACTION:

If no for any of the above, prepare
Telephone Record Log and contact RSCC/PO
for re-submittal of the corrected Cover Page
from the laboratory.

A.1.6 SDG Narrative, DC-1 & DC-2 Form

Is the SDG Narrative present?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Is Sample Log-In Sheet(Form DC-1)
present and complete?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

Is Complete SDG Inventory Sheet(Form DC-2)
present and complete?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

ACTION:

If no, write in the Contract-Problems/
Non-Compliance Section of the Data Review
Narrative.

A.1.7 Form I to XV

A.1.7.1 Are all the Form I through Form XV
labeled with:

Laboratory Name?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

Laboratory Code?

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	--------------------------	-------------------------------------

RAS/Non-RAS Case No.?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

SDG No.?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

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YES NO N/A

A.1.1 Contract Compliance Screening Report

Present?

☒ ☐ ☐

ACTION: If no, contact RSCC/PO.A.1.2 Record of Communication (from RSCC)

Present?

☒ ☐ ☐

ACTION: If no, request from the RSCC.A.1.3 Sampling Trip Report

Present and complete?

☒ ☐ ☐

ACTION: If no, contact RSCC/PO.A.1.4 Chain of Custody/Sample Traffic Report

Present?

☒ ☐ ☐

Legible?

☒ ☐ ☐

Signature of sample custodian
present?

☒ ☐ ☐

ACTION: If no, contact RSCC/WAM/PO.A.1.5 Cover Page

Present?

☒ ☐ ☐

Is the Cover Page properly filled in
and the verbatim signed by the lab
manager or the manager's designee?

☒ ☐ ☐

Do the sample identification numbers
on the Cover Page agree with sample
Identification numbers on:

(a) Traffic Report Sheet?

☐ ☐ ☒

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YES NO N/A

Contract No.?

☐ ☐ ☒

ACTION:

If no for any of the above, note under Contract Problem/Non-Compliance Section of the "Data Review Narrative" and contact PO for corrected Form(s) from the laboratory.

A.1.7.2

After comparing values on Forms I-IX against the raw data, do any computation/transcription errors exceed 10% of the reported values on the Forms for:

(a) all analytes analyzed by ICP-AES?

☐ ☒ ☐

(b) all analytes analyzed by ICP-MS?

☐ ☐ ☒

(c) Mercury?

☐ ☒ ☐

(d) Cyanide?

☐ ☐ ☒

ACTION:

If yes, prepare Telephone Record Log and contact CLP PO/TOPO for the corrected data from the laboratory.

A.1.8 Raw Data

Data shall not be validated without the hard/electronic copies of the associated raw data for samples and QC samples.

A.1.8.1 Digestion/Distillation Log

Digestion Log for ICP-AES
(Form XII) present?

☒ ☐ ☐

Digestion Log for ICP-MS
(Form XII) present?

☐ ☐ ☒

Digestion Log for mercury
(Form XII) present?

☒ ☐ ☐

Distillation Log for cyanide
(Form XII) present?

☐ ☐ ☒

Are pH values for metals and

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YES NO N/A

cyanide reported for each
aqueous sample?

☒ — —

Are percent solids calculations
present for soils/sediments?

☒ — —

Are preparation dates present on the
sample preparation logs/bench sheets?

☒ — —

NOTE:

Digestion/Distillation log must include weights, volumes,
and dilutions used to obtain the reported results.

A.1.8.2 Is the analytical instrument
real-time printouts present for:

ICP-AES?

☒ — —

ICP-MS?

☐ — ☒

Mercury?

☒ — —

Cyanide?

☐ — ☒

Are all laboratory bench sheets
and instrument raw data printouts
necessary to support all sample
analyses and QC operations:

Legible?

☒ — —

Properly labeled?

☒ — —

Are all field samples, QC samples
and field QC samples present on:

Digestion/Distillation log?

☒ — —

Instrument Printouts?

☒ — —

ACTION:

If no for any of the above questions in
Section A.1.8.1 and Section A.1.8.2, write
Telephone Record Log and contact TOPO/PO
for re-submittal from the laboratory.

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YES NO N/A

A.1.9 Technical Holding Times: (Aqueous and soil samples)

(Examine sample Traffic Reports and digestion/distillation logs to determine the holding time from the sample collection date to the sample preparation date.)

A.1.9.1 Cyanide distillation(14 days)exceeded? ☐ ☒

Mercury analysis(28 days) exceeded? ☐ ☒

Other Metals analysis(180 days)exceeded? ☐ ☒

ACTION:

If yes, reject (R) and red-line non-detects and flag as estimated (J) results \geq MDL even if sample(s) was preserved properly.

NOTE:

In addition to qualifying the data, a list of all samples and analytes which exceeded the holding times must be prepared. Report for each sample the number of days that were exceeded. (Subtract the sample collection date from the sample preparation date). Attach this list to the data review narrative.

A.1.9.2 Is pH of aqueous samples for:

Metals Analysis ≤ 2 ? ☒

Cyanide Analysis ≥ 12 ? ☐ ☒

ACTION:

If no for any of the above, flag non-detects as "R" and detects as "J".

A.1.9.3 Is the cooler temperature ≤ 10 C°? ☒

ACTION:

If cooler temperature is >10 °C, flag non-detects as "UJ" and detects as "J".

A.1.10 Final Data Correctness - Form I

A.1.10.1 Are Form I's for all samples

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YES NO N/A

present and complete?

☒ ☐ ☐

ACTION:

If no, prepare Telephone Record Log and contact CLP PO/TOPO for submittal from the laboratory.

A.1.10.2 Verify there are no calculation and transcription errors in the results reported on Form I's. Circle on each Form I all results that are incorrect.

Is the calculation error less than 10% of the correct result? ☒ ☐ ☐

Are results on Form I's reported in correct units (ug/L for aqueous and MG/KG for soils)? ☒ ☐ ☐

Are results on Form I'S reported by correct significant figures? ☒ ☐ ☐

Are soil sample results on Form I's corrected for percent solids? ☒ ☐ ☐

Are all "less than MDL" values reported by the CRQLs and coded with "U"? ☒ ☐ ☐

Are values less than the CRQLs but greater than or equal to the MDLs flagged with "J"? ☒ ☐ ☐

Are appropriate contractual quality control and Method qualifiers used? ☒ ☐ ☐

ACTION:

If no for any of the above questions, prepare Telephone Record Log, and contact CLP PO/TOPO for corrected data.

A.1.10.3 Do EPA sample identification numbers and the corresponding laboratory sample identification numbers match on the Cover Page, Form I's and in the raw data?

☒ ☐ ☐

Was a brief physical description

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YES NO N/A

of the samples before and after
digestion given on the Form I's?

[] ☒ []

Was any sample result outside the
mercury/cyanide calibration range
or the ICP-AES/ICP-MS linear range
diluted and noted on the Form I?

[] [] ☒

ACTION:

If no for any of the above, note under
the Contract-Problem/Non-Compliance
Section of the Data Review Narrative.

A.1.11 Initial Calibration

A.1.11.1 Is a record of at least 2 point
(A blank and a standard)calibration
present for ICP-AES analysis?

☒ [] []

Is a record of at least 2 point
(a blank and a standard)calibration
present for ICP-MS analysis?

[] [] ☒

Is a record of at least 5 point calibration
(a blank & 4 standards)present for Hg analysis?

☒ [] []

Is a record of at least 4 point calibration
(a blank & 4 standards)present for cyanide?

[] [] ☒

ACTION:

If incomplete or no initial calibration
was performed, reject (R) and red-line
the associated data (detects & non-detects).

Is one initial calibration standard
at the CRQL level for cyanide and
mercury?

☒ [] []

ACTION:

If no, write in the Contract Problem/
Non-Compliance Section of the Data
Review Narrative.

A.1.11.2 Is the curve correlation
coefficient ≥ 0.995 for:

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	<u>YES</u>	<u>NO</u>	<u>N/A</u>
Mercury Analysis?	[<input checked="" type="checkbox"/>]	___	___
Cyanide Analysis?	[___]	___	[<input checked="" type="checkbox"/>]
ICP-AES (more than 2 point Calib.)?	[<input checked="" type="checkbox"/>]	___	___
ICP-MS (more than 2 point calib.)?	[___]	___	[<input checked="" type="checkbox"/>]

ACTION:

If no, qualify the associated sample results \geq MDL as estimated "J" and non-detects as "UJ".

NOTE:

The correlation coefficient shall be calculated by the data validator using standard concentrations and the corresponding instrument response (e.g. absorbance, peak area, peak height, etc.).

A.1.12 Initial and Continuing Calibration Verification- Form IIA

A.1.12.1	Present and complete for every metal and cyanide?	[<input checked="" type="checkbox"/>]	___	___
	Present and complete for ICP-AES and ICP-MS when both these methods were used for the same analyte?	[___]	___	[<input checked="" type="checkbox"/>]

ACTION:

If no for any of the above, prepare a Telephone Record Log and contact PO/TOPO for re-submittal from the laboratory.

A.1.12.2	Was a Continuing Calibration Verification performed every 10 samples or every 2 hours whichever is more frequent?	[<input checked="" type="checkbox"/>]	___	___
----------	---	---	-----	-----

ACTION:

If no for any of the above, write in the Contract-Problem/Non-Compliance Section of the Data Review Narrative.

A.1.12.3	Was an ICV or a mid-range standard distilled and analyzed with each batch of cyanide samples?	[___]	___	[<input checked="" type="checkbox"/>]
----------	---	-------	-----	---

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YES NO N/A

ACTION:

If no for any of the above, write
in the Contract-Problem/Non-Compliance
Section of the Data Review Narrative and
qualify results \geq MDL as estimated (J).

A.1.12.2 Circle on each Form IIA all percent recoveries
that are outside the contract windows.

Are ICV/CCVs within control limits for:

Metals - 90-110%R?	<input checked="" type="checkbox"/>	___	___
Hg - 80-120%R?	<input checked="" type="checkbox"/>	___	___
Cyanide - 85-115%R?	<input type="checkbox"/>	___	<input checked="" type="checkbox"/>

ACTION:

If no, qualify all samples between a previous technically acceptable CCV
standard and a subsequent technically acceptable CCV standard as
follows as follows:

Qualify as estimated (J) all detects and non-detects,
if the ICV/CCV %R is between 75-89%(65-79% for Hg; 70-84% for CN).
Qualify only positive results(\geq MDL) as "J" if the ICV/CCV %R is
between 111-125%(121-135% for Hg; 116-130% for CN). Reject (R) and
red-line only
detects if the recovery is greater than 125% (135% for Hg; 130% for
CN). Reject (R) and red-line all associated results (hits and non-
detects) if the recovery is less than 75%(65% for Hg; 70% for CN).

NOTE:

For ICV that does not fall within the acceptance limits,
qualify all samples reported from the analytical run.

A.1.12.3 Was the distilled ICV or mid-range
standard for cyanide within acceptance
limits (85-115%)?

☐ ___ ☒

ACTION:

If no, Qualify all cyanide results \geq MDL as "J".

A.1.13 CRQL Standard Analysis - Form IIB

A.1.13.1 For each ICP-AES run, was a CRI

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(CRQL or MDL when MDL > CRQL)
standard analyzed?

(Note: CRI is not required for Al, Ba,
Ca, Fe, Mg, Na and K.)

YES NO N/A

☒ ☐ ☐

For each ICP-MS run, was a CRI
(CRQL or MDL when MDL > CRQL) standard
analyzed for each mass/isotope used
for the analysis?

☐ ☐ ☒ ☐

For each mercury run, was a CRQL
standard analyzed?

☒ ☐ ☐

For each cyanide run, was a CRQL
standard analyzed?

☐ ☐ ☒

ACTION:

If no for any of the above, write
this deficiency in the Contract Problems/
Non-Compliance Section of the Data Review
Narrative, inform CLP PO and flag results
in the affected ranges (detects <2xCRQL) as J
and non-detects UJ.

The affected ranges are:

ICP-AES Analysis - *True Value \pm CRQL

ICP-MS Analysis - *True Value \pm CRQL

Mercury Analysis - *True Value \pm CRQL

Cyanide Analysis - *True Value \pm CRQL

* True value of the CRQL Standard

A.1.13.2 Was a CRQL standard analyzed after the
ICV/ICB, before the final CCV/CCB and
once every 20 analytical samples in
the analytical run for each analysis?

☐ ☒ ☐

ACTION:

If no, write in the Contract Problem/
Non-Compliance Section of the
"Data Review Narrative".

A.1.13.3 Circle on each Form IIB all percent
recoveries that are outside the
acceptance windows.

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Is the CRQL standard within control limits for:

Metals(ICP-AES/ICP-MS)- 70 - 130%?

Mercury- 70 - 130%?

Cyanide - 70 - 130%?

YES NO N/A

<input checked="" type="checkbox"/>	_____	_____
<input checked="" type="checkbox"/>	_____	_____
<input type="checkbox"/>	_____	<input checked="" type="checkbox"/>

ACTION:

If no, flag detects <2xCRQL as "J" and non-detects as "UJ" if the CRQL standard recovery is between 50-69%. Flag(J) only detects <2xCRQL if the recovery is between 131% and ≤180%. If the recovery is less than 150%, reject(R) and red-line non-detects and detects < 2xCRQL, and flag (J) detects between 2xCRQL and ICV/CCV. Reject and red-line only detects <2xCRQL and flag (J) detects ≥ 2xCRQL but < ICV/CCV if the recovery is > 180%.

NOTE:

1. Qualify all field samples analyzed between a previous technically acceptable analysis of the CRQL standard and a subsequent acceptable analysis of the CRQL standard
2. Flag (J) or reject (R) only the final sample results on Form I's when Sample raw data are within the affected ranges and the CRQL standard is outside the acceptance windows.
3. The samples and the CRQL standard must be analyzed in the same analytical run.

A.1.14 Initial and Continuing Calibration Blanks - Form III

A.1.14.1 Present and complete for all the instruments used for the metals and cyanide analyses?

Was an initial Calibration Blank analyzed after ICV?

Was a continuing Calibration Blank analyzed after every CCV and every 10 samples or every 2 hours, whichever is more frequent?

Were the ICB & CCB values ≥ MDL but < CRQL reported on Form III and flagged "J" by

<input checked="" type="checkbox"/>	_____	_____
<input checked="" type="checkbox"/>	_____	_____
<input checked="" type="checkbox"/>	_____	_____

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using MDLs from direct analysis(Preparation
Method "NP1")?
(Check Form III against the raw data)

YES	NO	N/A
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ACTION:

If no, inform CLP PO/TOPO and make a note
in the Contract-Problems/Non-Compliance
Section of the "Data Review Narrative".

A.1.14.2 Circle with red pencil on each Form III
all Calib. Blank values that are:

\geq MDL but \leq CRQL

 $>$ CRQL

A.1.14.2.1 When MDL < CRQL, is any Calib. Blank
value \geq MDL but \leq CRQL?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------

ACTION:

If yes, change sample results \geq MDL
but \leq CRQL to the CRQL with a "U".
Do not qualify non-detects.

A.1.14.2.2 When MDL < CRQL, is any Calib. Blank
value $>$ CRQL?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

ACTION:

If yes, reject (R) and red line the
associated sample results $>$ CRQL
but $<$ ICB/CCB Blank Result. Flag as "J"
detects $>$ ICB/CCB blank value but
 $<$ 10xICB/CCB value. Change the sample
results \geq MDL but \leq the CRQL to CRQL
with a "U".

A.1.14.2.3 Is any Calibration Blank value
below the negative CRQL?

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------

ACTION:

If yes, flag (J) as estimated all
associated sample results \geq CRQL but
 $<$ 10xCRQL.

NOTE:

1. For ICB that does not meet the technical
QC Criteria, apply the action to all samples

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YES NO N/A

reported from the analytical run.

2. For CCBs that do not meet the technical QC criteria, apply the action to all samples analyzed between a previous technically acceptable analysis of CCB and a subsequent technically acceptable analysis of the CCB in the analytical run.,

A.1.15 Preparation Blank - FORM III

NOTE: The Preparation Blank for mercury is the same as the calibration blank.

A.1.15.1 Was one Preparation Blank prepared with and analyzed for:

Each Sample Delivery Group (SDG)?

☒ ☐ ☐

Each batch of the SDG samples digested/distilled?

☒ ☐ ☐

Each matrix type?

☒ ☐ ☐

All instruments used for metals and cyanide analyses?

☒ ☐ ☐
ACTION:

If no for any of the above, flag as estimated (J) all the associated positive data $< 10 \times \text{MDL}$ for which the Preparation Blank was not analyzed.

NOTE:

If only one blank was analyzed for more than 20 samples, then the first 20 samples analyzed are not estimated (J), but all additional samples must be qualified (J).

A.1.15.2 Circle with red pencil on each Form III all Prep. Blank values that are:

 $\geq \text{MDL}$ but $\leq \text{CRQL}$, and $> \text{CRQL}$ A.1.15.2.1 When $\text{MDL} < \text{CRQL}$, is any preparation blank value $\geq \text{MDL}$ but $\leq \text{CRQL}$?
☒ ☐ ☐
ACTION:

If yes, change sample result $\geq \text{MDL}$

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YES NO N/A

but \leq CRQL to CRQL with a "U".

A.1.15.2.2 When the MDL \leq CRQL, is any Preparation Blank value greater than its CRQL?

— ☒ —

If yes, is the Prep. Blank value greater than the value of the associated Field Blank collected and analyzed with the SDG samples?

— ☒ —

If yes, is the lowest concentration of that analyte in the associated samples less than 10 times the Preparation Blank value?

— ☒ —

ACTION:

If yes, reject (R) and red-line all associated sample results greater than the CRQL but less than the Prep. Blank value. Flag as "J" detects > Prep. Blank value but <10xPrep. Blank. If the sample result \geq MDL but \leq CRQL, replace it with CRQL-U.

If the Prep. Blank value is less than the same analyte value in the Field Blank, do not qualify the sample results due to the Prep. Blank criteria.

NOTE:

Convert soil sample result to mg/Kg on wet weight basis to compare with the soil Prep. Blank result on Form III.

A.1.15.2.3 Is the Prep. Blank concentration below the negative CRQL?

— ☒ —

ACTION:

If yes, flag (J) all associated sample results less than 10xCRQL. Qualify non-detects as estimated (UJ).

A.1.15.2.4 When the MDL is greater than the CRQL, is the preparation blank concentration on Form III greater than two times the MDL?

— ☐ ☒ —

ACTION:

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YES NO N/A

If yes, reject (R) and red-line all positive sample results with sample raw data less than 10 times the Preparation Blank value.

A.1.16 ICP-AES/ICP-MS Interference Check Sample (ICS) - Form IV

NOTE: Not required for CN, Hg, Al, Ca, Fe and Mg.

A.1.16.1 Present and complete?

[☒] — —

Was ICS analyzed at the beginning and end of each analytical run, and once for every 20 analytical samples?

[☐] ☒ —

Was ICS analyzed at the beginning of the ICP-MS analytical run?

[☐] — ☒

ACTION:

If no, flag as estimated (J) all sample results.

A.1.16.2 ICP-AES Method

A.1.16.2.1 ICSA Solution:

For ICP-AES, are the ICSA "Found" analyte values within the control limits \pm of CRQL of the true/established mean value?

[☒] — —

If no for any of the above, is the sample concentration of Al, Ca, Fe, or Mg in the same units (ug/L or MG/KG) greater than or equal to its respective concentration in the ICSA Solution on Form IV?

[☐] — ☒

ACTION:

If yes, apply the following action to all samples analyzed between a previous technically acceptable analysis of the ICS and a subsequent technically acceptable analysis of the ICS in the analytical run:

Flag (J) as estimated only sample results \geq MDL

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YES NO N/A

for which the ICSA "Found" value is greater than (True value+CRQL). Do not qualify non-detects. If the ICSA "Found" value is less than (True value-CRQL), flag non-detects as "UJ" and detects as "J".

A.1.16.2.3 ICSAB Solution

For ICP-AES, are all analyte results in ICSAB within the control limits of 80-120 of the true/established mean value?

[☒] _____ _____

If no for any of the above, is the sample concentration of Al, Ca, Fe, or Mg in the same units (ug/L or MG/KG) greater than or equal to its respective concentration in the ICSAB Solution on Form IV?

[_____] _____ ☒

ACTION:

If yes, apply the following action to all samples analyzed between a previous technically acceptable analysis of the ICS and a subsequent technically acceptable analysis of the ICS in the analytical run:

Flag (J) as estimated those associated sample results \geq MDL for which the ICSAB analyte recovery is greater than 120% but \leq 150%. If the ICSAB recovery falls within 50-79%, qualify sample results \geq MDL as "J" and non-detects as "UJ". Reject (R) and red-line all sample results (detects & non-detects) for which the ICSAB analyte recovery is less than 50%. If the recovery is above 150%, reject (R) and red-line only positive results.

A.1.16.3 ICP-MS Method

A.1.16.3.1 ICSA Solution:

For ICP-MS, are the ICSA "Found" analyte values within the control limits of \pm CRQL of the true/established mean value?

[_____] _____ ☒

ACTION:

If no, apply the following action to all samples reported from the analytical run:

Flag (J) as estimated only sample results \geq MDL if the ICSA "Found" value is greater than (True value+CRQL). Do not qualify non-detects. If the ICSA "Found" value is less than (True value-CRQL), flag the associated sample detects as "J" and non-detects as "UJ".

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YES NO N/A

A.1.16.3.3 ICSAB Solution

For ICP-MS, are all analyte results in ICSAB within the control limits of 80-120% of the true/established mean value, whichever is greater?

[] — ✓

ACTION:

If no, apply the following action to all samples reported from the analytical run:

Flag (J) as estimated those associated sample results \geq MDL for which the ICSAB analyte recovery is greater than 120% but \leq 150%. If the ICSAB recovery falls within 50-79% flag (J) as estimated the associated sample results \geq MDL. Reject (R) and red-line those all sample detects and non-detects for which the ICSAB analyte recovery is less than 50%. If the recovery is above 150%, reject (R) and red-line only detects (\geq MDL).

A.1.17 Spiked Sample Recovery: Pre-Digestion/Pre-Distillation)-Form V A
Note: Not required for Ca, Mg, K, and Na (both matrices); Al and Fe (soil only)

A.1.17.1 Was Matrix Spike analysis performed:

For each matrix type?

[✓] — —

For each SDG?

[✓] — —

On one of the SDG samples?

[✓] — —

For each concentration range
(i.e., low, med., high)?

[✓] — —

For each analytical Method
(ICP-AES, ICP-MS, Hg, CN) used?

[✓] — —

Was a spiked sample prepared and analyzed with the SDG samples?

[✓] — —

ACTION:

If no for any of the above, flag as estimated (J) all the positive data for which a spiked sample was not analyzed.

NOTE:

If more than one spiked sample were analyzed for one SDG, then qualify the associated data based on the worst spiked sample analysis.

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YES NO N/A

- A.1.17.2 Was a field blank or PE sample used
for the spiked sample analysis?

_____ ☒ _____

ACTION:

If yes, flag (J) as estimated positive data of the associated SDG samples for which field blank or PE sample was used for the spiked sample analysis.

- A.1.17.3 Circle on each Form VA all spike recoveries that are outside the control limits (75-125%) that have sample concentrations less than four times the added spike concentrations.

Are all recoveries within the control limits when sample concentrations are less than or equal to four times the spike concentrations?

☐ ☒ _____

NOTE:

Disregard the out of control spike recoveries for analytes whose concentrations are greater than or equal to four times the spike added.

Are results outside the control limits (75-125%) flagged with Lab Qualifier "N" on Form I's and Form VA?

☐ ☒ _____

ACTION:

If no for any of the above, write in the Contract - Problems/Non-Compliance Section of the Data Review Narrative.

- A.1.17.4 Aqueous

Are any spike recoveries:

(a) less than 30%?

_____ ☐ ☒

(b) between 30-74%?

_____ ☐ ☒

(c) between 126-150%?

_____ ☐ ☒

(d) greater than 150%?

_____ ☐ ☒

ACTION:

If the matrix spike recovery is less than 30%, reject (R) and red-line all associated aqueous data (detects & non-detects). If between 30-74%, qualify all associated aqueous data \geq MDL as "J" and non-detects

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YES NO N/A

as "UJ". If between 126-150%, flag (J)
all data \geq MDL as "J". If greater than 150%,
reject (R) and red-line all associated data \geq MDL.

(NOTE: Replace "N" with "J", "R" as appropriate.)

A.1.17.5 Soil/Sediment

Are any spike recoveries:

- | | | | |
|-----------------------|---|---|---|
| (a) less than 10% | — | [<input checked="" type="checkbox"/>] | — |
| (b) between 10-74% | / | [] | — |
| (c) between 126-200% | / | [] | — |
| (d) greater than 200% | / | [] | — |

*lots were not
verified by professional
judgment*

ACTION:

If yes for any of the above, proceed
as follows:

If the matrix spike recovery is less
than 10%, reject (R) and red-line all
associated data (detects & non-detects);
if between 10-74%, qualify all associated
data \geq MDL as "J" and non-detects as "UJ";
if between 126-200%, flag (J) all associated
data \geq MDL as "J" If greater than 200%, reject
(R) and red-line all associated data \geq MDL.
(NOTE: Replace "N" with "J" or "R" as appropriate.)

A.1.18 Lab Duplicates) - Form VI

A.1.18.1 Was the lab duplicate analysis performed:

- | | | | |
|--|--------|---|---|
| For each SDG? | [] | [<input checked="" type="checkbox"/>] | — |
| On one of the SDG samples? | [] | [<input checked="" type="checkbox"/>] | — |
| For each matrix type? | [] | [<input checked="" type="checkbox"/>] | — |
| For each concentration range
(low or med.)? | [] | [<input checked="" type="checkbox"/>] | — |
| For each analytical Method
(ICP-AES/ICP-MS, Hg, CN) Used? | [] | [<input checked="" type="checkbox"/>] | — |
| Was a lab duplicate prepared and
analyzed with the SDG samples? | [] | [<input checked="" type="checkbox"/>] | — |

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YES NO N/A

ACTION:

If no for any of the above, flag (J) as estimated all the SDG sample results (detects & non-detects) for which the lab duplicate analysis was not performed.

NOTE:

If more than one lab duplicate sample were analyzed for an SDG, then qualify the associated samples based on the worst lab duplicate analysis.

- A.1.18.2 Was a Field Blank or PE sample used for the Lab Duplicate analysis?

_____ ☐ ☒

ACTION:

If yes, flag as estimated (J) all SDG sample results (hits & non-detects) for which Field Blank or PE sample was used for duplicate analysis.

- A.1.18.3 Circle on each Form VI all values that are:

RPD > 20%, or

Absolute Difference > CRQL

Are all values within control limits (RPD \leq 20% or absolute difference \leq \pm CRQL)?

☐ _____ ☒

If no, are all results outside the control limits flagged with an "*" (Lab Qualifier) on Form VI and on all Form I's?

☐ _____ ☒

ACTION:

If no, write in the Contract-Problems/ Non-Compliance Section of the Data Review Narrative.

NOTE:

The laboratory is not required to report on Form VI the RPD when both values are non-detects.

- A.1.18.4 Aqueous

- A.1.18.4.1 When sample and duplicate values are both \geq 5xCRQL (substitute MDL for CRQL when MDL > CRQL),

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	<u>YES</u>	<u>NO</u>	<u>N/A</u>
is any RPD > 20% but < 100%?	—	[]	✓
is any RPD ≥ 100%?	—	[]	✓

ACTION:

If the RPD is > 20% but < 100%, flag (J) as estimated the associated sample data ≥ CRQL. If the RPD is ≥ 100%, reject (R) and red-line the associated sample data ≥ CRQL.

(NOTE: Replace "" with "J" or "R" as appropriate.)

A.1.18.4.2 When the sample and/or duplicate value < 5xCRQL (substitute MDL for CRQL when MDL > CRQL), is the absolute difference between sample and duplicate values:

> ± CRQL?	—	[]	✓
> ± 2xCRQL?	—	[]	✓

ACTION:

If the absolute difference is > CRQL, flag as estimated all the associated sample results ≥ MDL but < 5xCRQL as "J" and non-detects as "UJ". If the absolute difference is > 2xCRQL, reject (R) and red-line all the associated non-detects and detects ≥ MDL but < 5xCRQL.

NOTE:

1. Replace "" with "J", "UJ" or "R" as appropriate.)
2. If one value is > CRQL and the other value is non-detect, calculate the absolute difference between the value > CRQL and the MDL, and use this difference to qualify sample results.

A.1.18.5 Soil/Sediment

A.1.18.5.1 When sample and duplicate values are both ≥ 5xCRQL (substitute MDL for CRQL when MDL > CRQL),

is any RPD ≥ 35% but < 120%?	—	[]	✓
is any RPD ≥ 120%?	—	[]	✓

ACTION:

If the RPD is ≥ 35% and < 120%, flag (J) as estimated the associated sample

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YES NO N/A

data \geq CRQL. If the RPD is \geq 120%, reject
(R) and red-line the associated sample
data \geq CRQL.

A.1.18.5.2 When the sample and/or duplicate value
< 5xCRQL (substitute MDL for CRQL when MDL > CRQL),
is the absolute difference between sample
and duplicate:

> $\pm 2 \times$ CRQL?

— []

> $\pm 4 \times$ CRQL

— []

ACTION:

If the absolute difference is $> 2 \times$ CRQL,
flag all the associated sample results \geq MDL
but $< 5 \times$ CRQL as "J" and non-detects as "UJ".
If the absolute difference is $> 4 \times$ CRQL, reject
(R) and red-line all the associated non-detects
and detects \geq MDL but $< 5 \times$ CRQL.

NOTE:

1. Replace "*" with "J", "UJ" or "R" as appropriate.)
2. If one value is $>$ CRQL and the other value is non-detect,
calculate the absolute difference between the value $>$ CRQL
and the MDL, and use this difference to qualify sample results.

A.1.19 Field Duplicates

Aqueous Field Duplicates

A.1.19.1 Was an aqueous Field Duplicate pair
collected and analyzed?
(Check Sampling Trip Report)

[] —

ACTION:

If yes, prepare a Form (Appendix A.4) for each
aqueous Field Duplicate pair. Report the sample
and Field Duplicate results on Appendix A.4 from
their respective Form I's. Calculate and report RPD
on Appendix A.4 when sample and its Field Duplicate
values are both $> 5 \times$ CRQL. Calculate and report the
absolute difference on Appendix A.4 when at least one
value (sample or duplicate) is $< 5 \times$ CRQL. Evaluate the
aqueous Field Duplicate analysis in accordance with the

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YES NO N/A

QC criteria stated in Sections A.1.19.2 and A.1.19.3.

NOTE:

1. Do not transfer "*" from Form I's to Appendix A.4.
2. Do not calculate RPD when both values are non-detects.
3. Substitute MDL for CRQL when MDL > CRQL.
4. If one value is >CRQL and the other value is non-detect, calculate the absolute difference between the value > CRQL and the MDL, and use this the criteria to qualify the results.

A.1.19.2 Circle all values on the Form (Appendix A.4) for Field Duplicates that have:

RPD \geq 20% or

Difference > \pm CRQL

When sample and duplicate values are both $\geq 5 \times \text{CRQL}$ (substitute MDL for CRQL when MDL > CRQL),

is any RPD \geq 20%?

_____ [] 

is any RPD \geq 100%?

_____ [] 

ACTION:

If the RPD is >20% but < 100%, flag (J) only the associated sample and its Field Duplicate results \geq CRQL. If the RPD is \geq 100%, reject (R) and red-line only the associated sample and its Field Duplicate result \geq CRQL.

A.1.19.3 When the sample and/or duplicate value(s) < 5xCRQL (substitute MDL for CRQL when MDL > CRQL), is the absolute difference between sample and duplicate:

> \pm CRQL?

_____ [] 

> $\pm 2 \times$ CRQL?

_____ [] 

ACTION:

If the absolute difference is > CRQL, flag detects \geq MDL but < 5xCRQL as "J" and non-detects as "UJ". If the difference is > 2xCRQL, reject (R) and red-line non-detects

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YES NO N/A

and results \geq MDL but $< 5 \times \text{CRQL}$ of the sample
and its Field Duplicate.

Soil/Sediment Field Duplicates

- A.1.19.4 Was a soil field duplicate pair
collected and analyzed?
(Check Sampling Trip Report)

[]

/

ACTION:

If yes, for each soil Field Duplicate
pair proceed as follows:

Prepare Appendix A.4 for each Field Duplicate
pair. Report on Appendix A.4 all sample and its
Field Duplicate results in MG/KG from their
respective Form I's. Calculate and report RPD when
sample and its duplicate values are both greater
than $5 \times \text{CRQL}$. Calculate and report the
absolute difference when at least one value
(sample or duplicate) is $< 5 \times \text{CRQL}$. Evaluate the
Field Duplicate analysis in accordance with the
QC Criteria stated in Sections A.1.19.5 and A.1.19.6.

NOTE:

1. Do not transfer "*" from Form I's to Appendix A.4.
2. Do not calculate RPD when both values are non-detects.
3. Substitute MDL for CRQL when $\text{MDL} > \text{CRQL}$.
4. If one value is $> \text{CRQL}$ and the other
value is non-detect, calculate the
absolute difference between the
value $> \text{CRQL}$ and the MDL, and apply
the criteria to qualify the results.

- A.1.19.5 Circle on each Appendix A.4 all
values that have:

$\text{RPD} \geq 35\%$, or Difference $> \pm 2 \times \text{CRQL}$
When sample and duplicate values
are both $\geq 5 \times \text{CRQL}$ (substitute MDL for
CRQL when $\text{MDL} > \text{CRQL}$),

is any RPD $\geq 35\%$ but $< 120\%$?

— [] /

is any RPD $\geq 120\%$?

— [] /

ACTION:

If the RPD is $\geq 35\%$ but $< 120\%$,

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YES NO N/A

flag only the associated sample
and its Field Duplicate results
 \geq CRQL as "J". If the RPD is \geq 120%,
reject (R) and red-line only the sample
and its Field Duplicate results \geq CRQL.

A.1.19.6 When the sample and/or duplicate value(s)
 $< 5 \times \text{CRQL}$ (substitute MDL for CRQL when MDL $>$ CRQL),
 is the absolute difference between sample
 and Field Duplicate:

$> \pm 2 \times \text{CRQL}$?

— [] ☒

$> \pm 4 \times \text{CRQL}$?

— [] ☒

ACTION:

If the absolute difference is $> 2 \times \text{CRQL}$, flag
Sample and its Field Duplicate results \geq MDL
but $< 5 \times \text{CRQL}$ as "J" and non-detects as "UJ".
If the difference is $> 4 \times \text{CRQL}$, reject (R) and
red-line non-detects and detects \geq MDL but
 $< 5 \times \text{CRQL}$ of the sample and its Field Duplicate.

A.1.20 Laboratory Control Sample (LCS) - Form VII

A.1.20.1 Was one LCS prepared and analyzed for:

Each SDG?

[☒] — —

Each matrix type?

[☒] — —

Each batch samples digested/distilled?
For each Method (ICP-AES, ICP-MS, Hg, CN)
used?

[☒] — —
[☒] — —

Was an LCS prepared and analyzed with
the samples?

[☒] — —

ACTION:

If no for any of the above, prepare
Telephone Record Log and contact
CLP PO or TOPO for submittal of the
LCS results. Flag (J) as estimated all
the data for which an LCS was not
analyzed.

NOTE:

If only one LCS was analyzed for

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YES NO N/A

more than 20 samples, then the first
20 samples analyzed are not flagged(J),
but all additional samples must be
qualified (J).

A.1.20.2 Aqueous LCS

Circle on each Form VII the LCS percent
recoveries outside control limits 80-120%.

NOTE: 1. Use digested ICV as LCS for aqueous mercury
2. Use distilled ICV as LCS for aqueous cyanide

Is any LCS recovery:

Less than 50%?

— [☒] —

Between 50% and 79%?

— [☒] —

Between 121% and 150%?

— [☒] —

Greater than 150%?

— [☒] —

ACTION:

If the LCS recovery is less than 50%,
reject (R) and red-line all associated
sample data (detects & non-detects); for
a recovery between 50-79%, flag detects
as "J" all non-detects as "UJ". if the LCS
recovery is between 121-150%, flag only
detects as "J". if the recovery is greater
than 150%, reject (R) and red-line all detects.

A.1.20.3 Solid LCS

If an analyte's MDL is equal to or
greater than the true value of LCS,
disregard the "Action" below for that
analyte even though the LCS is out of
control limits.

Is the LCS "Found" value greater
than the Upper Control Limit
reported on Form VII?

— [☒] —

ACTION:

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If yes, flag (J) all the associated
detects \geq MDL as estimated (J).

YES NO N/A

Is the LCS "Found" value lower
than the Lower Control Limit
reported on Form VII?

____ [/] ____

ACTION:

If yes, flag detects as "J" and
non-detects as "UJ".

A.1.21 ICP-AES/ICP-MS Serial Dilution - Form VIII

NOTE: Serial dilution analysis is required only
when the initial concentration is equal to or
greater than 50 x MDL.

A.1.21.1 Was a Serial Dilution analysis
performed:

For each SDG?

[/] ____ ____

On one of the SDG samples?

[/] ____ ____

For each matrix type?

[/] ____ ____

For each concentration range
(low or med.)?

[/] ____ ____

Was a Serial Dilution sample
analyzed with the SDG samples?

[/] ____ ____

ACTION:

If no for any of the above, flag
as estimated (J) detects \geq MDL of
all the SDG samples for which the
ICP Serial Dilution Analysis was
not performed.

A.1.21.2 Was a Field Blank or PE sample used
for the Serial Dilution Analysis?

____ [/] ____

ACTION:

If yes, flag as estimated (J) detects
 \geq MDL of all the SDG samples

A.1.21.3 Circle on Form VIII the Percent Differences
(%D) between sample results and its dilution
results that are outside the control limits $\pm 10\%$

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YES NO N/A

when initial concentrations $\geq 50 \times$ MDLs.

Are results outside the control limits flagged with an "E" (Lab Qualifier) on Form VIII and all Form I's?

[] — /

ACTION:

If no, write in the Contract-Problem/Non-Compliance Section of the Data Review Narrative.

A.1.21.4 Are any %D values:

> 10%?

— [/] —

$\geq 100\%$?

— [/] —

ACTION:

If the Percent Difference (%D) is greater than 10%, flag (J) as estimated all associated samples whose raw data \geq MDL; if the %D is $\geq 100\%$, reject (R) and red-line all associated samples with raw data \geq MDL.

(NOTE: Replace "E" with "J" or "R" as appropriate.)

A.1.22 Total/Dissolved or Inorganic/Total Analytes

A.1.22.1 Were any analyses performed for dissolved as well as total analytes on the same sample(s)?

— [/] —

Were any analyses performed for inorganic as well as total analytes on the same sample(s)?

— [✓] —

ACTION:

If yes, prepare a Form (Appendix A.5) to compare the differences between dissolved (or inorganic) and total analyte concentrations. Compute each difference on Appendix A.5 as a percent of the total analyte only when both of the following conditions are fulfilled:

- (1) The dissolved (or inorganic) concentration is greater than total concentration, and
- (2) greater than or equal to $5 \times$ MDL.

A.1.22.2 Is any dissolved (or inorganic) concentration greater than its total concentration by more than 20%?

— [] /

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YES NO N/A

A.1.22.3 Is any dissolved (or inorganic) concentration greater than its total concentration by more than 50%?

___ [] /

ACTION:

If the percent difference is greater than 20%, flag (J) both dissolved/inorganic and total concentrations as estimated. If the difference is more than 50%, reject (R) and red-line both the values.

A.1.23 Field Blank - Form I

NOTE: Designate "Field Blank" as such on Form I

A.1.23.1 Was a Field/Rinsate Blank collected and analyzed with the SDG samples?

/ [] ___

If yes, is any Field/Rinsate Blank absolute value of an analyte on Form I greater than its CRQL (or 2xMDL when MDL > CRQL)?

/ [] ___

If yes, circle the Field Blank value on Form I that is greater than the CRQL, (or 2 x MDL when MDL > CRQL).

Is any Field Blank value greater than CRQL also greater than the Preparation Blank value?

/ [] ___

If yes, is the Field Blank value (> CRQL and > the prep. blank value) already rejected due to other QC criteria?

[] / ___

ACTION:

If the Field Blank value was not rejected, reject all associated sample data (except the Field Blank results) greater than the CRQL but less than the Field Blank value. Reject on Form I's the soil sample results whose raw values in ug/L in the instrument printout are greater than the CRQL but less than the Field Blank value in ug/L. Flag as "J" detects between the Field Blank value and 10xField Blank value. If the sample result \geq MDL but \leq CRQL, replace it with CRQL-U.

If the Field Blank value is less than the

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YES NO N/A

Prep.Blank value, do not qualify the sample results due to the Field Blank criteria.

NOTE:

1. Field Blank result previously rejected due to other criteria cannot be used to qualify field samples.
2. Do not use Rinsate Blank associated with soils to qualify water samples and vice versa.

A.1.24 Verification of Instrumental Parameters - Form IX, XA, XB, XI

A.1.24.1 Is verification report present for:

Method Detection Limits (Form IX-Annually)?	<input checked="" type="checkbox"/>	___	___
ICP-AES Interelement Correction Factors (Form XA & XB -Quarterly)?	<input checked="" type="checkbox"/>	___	___
ICP-AES & ICP-MS Linear Ranges (Form XI-Quarterly)?	<input checked="" type="checkbox"/>	___	___

ACTION:

If no, contact CLP PO/TOPO for submittal from the laboratory.

A.1.24.2 Method Detection Limits - Form IX

A.1.24.2.1 Are MDLs present on Form IX for:

All the analytes?	<input checked="" type="checkbox"/>	___	___
All the instruments used?	<input checked="" type="checkbox"/>	___	___
Digested and undigested samples and Calib.Blanks?	<input checked="" type="checkbox"/>	___	___
ICP-AES and ICP-MS when both instruments are used for the same analyte?	<input type="checkbox"/>	___	<input checked="" type="checkbox"/>

ACTION:

If no for any of the above, prepare Telephone Record Log and contact CLP PO/TOPO for submittal of the MDLs from the laboratory. Report to CLP PO and write in the Contract Problems/Non-Compliance Section of the Data Review Narrative if the MDL concentration is not less than 1/2 CRQL.

Evaluation of Metals Data for the Contract Laboratory Program
Data Assessment and Contract Compliance Review

SOP: HW-2 Revision 13

Appendix A.1

Sept. 2006

	YES	NO	N/A
A.1.24.2.2 Is MDL greater than the CRQL for any analyte?	___	<input checked="" type="checkbox"/>	___
If yes, is the analyte concentration on Form I greater than 5 x MDL for the sample analyzed on the instrument whose MDL exceeds CRQL?	<input type="checkbox"/>	___	<input checked="" type="checkbox"/>
<u>ACTION:</u> If no, flag as estimated (J) all values less than five times MDL for the analyte whose MDL exceeds the CRQL.			
A.1.24.3 <u>Linear Ranges - Form XI</u>			
A.1.24.3.1 Was any sample result higher than the high linear range for ICP-AES or ICP-MS?	___	<input checked="" type="checkbox"/>	___
Was any sample result higher than the highest calibration standard for mercury or cyanide?	___	<input checked="" type="checkbox"/>	___
If yes for any of the above, was the sample diluted to obtain the result reported on Form I?	<input type="checkbox"/>	___	<input checked="" type="checkbox"/>
<u>ACTION:</u> If no, flag (J) as estimated the affected detects (\geq MDL) reported on Form I.			
A.1.25 <u>ICP-MS Tune Analysis - Form XIV</u>			
A.1.25.1 Was the ICP-MS instrument tuned prior to calibration?	<input type="checkbox"/>	___	<input checked="" type="checkbox"/>
<u>ACTION:</u> If no, reject (R) and red-line all sample data for which tuning was not performed.			
A.1.25.2 Was the tuning solution analyzed or scanned at least five times consecutively?	<input type="checkbox"/>	___	<input checked="" type="checkbox"/>
Were all the required isotopes spanning the analytical range present in the tuning solution?	<input type="checkbox"/>	___	<input checked="" type="checkbox"/>
Was the mass resolution within			

USEPA REGION 2
Evaluation of Metals Data for the Contract Laboratory Program
Data Assessment and Contract Compliance Review

SOP: HW-2 Revision 13

Appendix A.1

Sept. 2006

	<u>YES</u>	<u>NO</u>	<u>N/A</u>
0.1 amu for each isotope in the tuning solution?	[]	—	✓
Was %RSD less than 5% for each isotope of each analyte in the tuning solution?	[]	—	✓
<u>ACTION:</u> If no for any of the above, qualify all results \geq MDL associated with that Tune as estimated "J", and all non-detects associated with that Tune as "UJ".			
A.1.26 <u>ICP-MS Internal Standards - Form XV</u>			
A.1.26.1 Were the Internal Standards added to all the samples and all QC samples and calibration standards (except the Tuning Solution)?	[]	—	✓
Were all the target analyte masses bracketed by the masses of the five internal standards?	[]	—	✓
<u>ACTION:</u> If none of the Internal Standards was added to the samples, reject (R) and red-line all the associated sample data (detects & non-detects). If internal standards were used but did not cover all the analyte masses, reject (R) and red-line only the analyte results not bracketed by the internal standard masses.			
A.1.26.2 Was the intensity of an Internal Standard in each sample within 60-125% of the intensity of the same Internal Standard in the calibration blank?	[]	—	✓
If no, was the original sample diluted two fold, Internal Standard added and the sample re-analyzed?	[]	—	✓
Was the %RI for the two fold diluted sample within the acceptance limits (60-125%)?	[]	—	✓
<u>ACTION:</u> If no for any of the above, flag detects as "J" and non-detects "UJ" of all the analytes with atomic masses between the atomic mass of the internal standard lighter			

than the affected internal standard, and the
atomic mass of the internal standard heavier
than the affected internal standard.

A.1.27 Percent Solids of Sediments

A.1.27.1 Are percent solids in sediment(s):

< 50%?

_____ [✓] _____

ACTION:

If yes, qualify as estimated (J) all detects and
non-detects of a sample that has percent solids
less than 50%(i.e.,moisture content greater than 50%).

NOTE:

Flag(J) only the sample results
that were not previously flagged
due to other QC criteria.

Inorganic Data Review Narrative

Case# _____ Site: _____ Matrix: Soil _____
SDG# _____ Lab: _____ Water _____
Sampling Team: _____ Reviewer: _____ Other _____

A.2.1 Data Validation Flags:

The following flags may have been applied in red by the data validator and must
be considered by the data user.

- J - This flag indicates the result qualified as estimated
- R and Red-Line - A red-line drawn through a sample result indicates unusable value.
The red-lined data are known to contain significant errors based on
documented information and must not be used by the data user.
- U - This data validation qualifier is applied to sample results
≥ MDL when associated blank is contaminated
- Fully Usable Data - The results that do not carry "J" or "red-line" are fully
usable.

A.2.2 Laboratory Qualifiers:

The CLP laboratory applies a contractual qualifier on all

Site: Glen Isle
Laboratory: Test America Buffalo, NY
Report No.: 480-55157-1
Reviewer: Christina Rink and Josephine Go /Laboratory Data Consultants for RXR
Glen Isle Partners, LLC
Date: April 16, 2014

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
CC-C-048-0-2	480-55157-1	SVOC, Pesticides
CC-C-048-4-6	480-55157-3	SVOC, Pesticides
CC-C-048-8-10**	480-55157-4	SVOC**, Pesticides**
CC-C-049-2-2	480-55157-5	SVOC, Pesticides
CC-C-049-2-4	480-55157-6	SVOC, Pesticides
CC-C-049-8-10	480-55157-7	SVOC, Pesticides
CC-C-050-0-2	480-55157-8	SVOC, Pesticides
CC-C-050-2-4**	480-55157-9	SVOC, Pesticides**
CC-C-050-8-10	480-55157-10	SVOC, Pesticides
DUP027	480-55157-11	SVOC, Pesticides
CC-C-051-0-2**	480-55157-12	SVOC**, Pesticides**
CC-C-051-2-4	480-55157-13	SVOC, Pesticides
CC-C-051-8-10	480-55157-14	SVOC, Pesticides
CC-C-052-0-2**	480-55157-15	SVOC**, Pesticides**
CC-C-052-2-4	480-55157-16	SVOC, Pesticides
CC-C-052-8-10	480-55157-17	SVOC, Pesticides
LT-G-026-0-2	480-55157-18	SVOC, Pesticides
LT-G-026-4-6	480-55157-19	SVOC, Pesticides
LT-G-026-6-8	480-55157-20	SVOC, Pesticides
LT-G-027-0-2	480-55157-21	SVOC, Pesticides
LT-G-027-2-4**	480-55157-22	SVOC**, Pesticides**
LT-G-027-8-10	480-55157-23	SVOC, Pesticides
LT-C-053-0-2	480-55157-24	SVOC, Pesticides
LT-C-053-4-6	480-55157-25	SVOC, Pesticides
LT-C-053-6-8**	480-55157-26	SVOC, Pesticides**
LT-C-054-0-2	480-55157-27	SVOC, Pesticides
LT-C-054-2-4	480-55157-28	SVOC, Pesticides
LT-C-057-0-2	480-55157-29	SVOC, Pesticides
LT-C-057-2-4	480-55157-30	SVOC, Pesticides
LT-C-057-6-8	480-55157-31	SVOC, Pesticides
FB028	480-55157-32	VOC, SVOC, Pesticides
TB	480-55157-33	VOC
LT-G-030-0-2**	480-55157-34	VOC**

Samples Reviewed and Evaluation Summary (continued)

FIELD ID	LAB ID	FRACTIONS VALIDATED
CC-C-048-4-6MS	480-55157-3MS	SVOC, Pesticides
CC-C-048-4-6MSD	480-55157-3MSD	SVOC, Pesticides
LT-C-054-2-4MS	480-55157-28MS	SVOC, Pesticides
LT-C-054-2-4MSD	480-55157-28MSD	SVOC, Pesticides

Associated QC Samples(s):

Field/Trip Blanks: FB028, TB

Field Duplicate pair: CC-C-050-8-10 and DUP027

The above-listed soil and water samples were collected on February 21, 2014 and were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260C, semivolatile organic compounds (SVOCs) by SW-846 method 8270D, and pesticides by SW-846 method 8081B. The data validation was performed in accordance with the *USEPA Region II Functional Guidelines for Evaluating Organic Analyses* (September 2006) and the *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA 540-R-08-01* (June 2008), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- GC/Electron Capture Detector (GC/ECD) Instrument Performance Checks
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Moisture Content
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers with the exception listed below.

The SVOC nondetect results for benzylaldehyde in samples CC-C-048-8-10**, CC-C-051-0-2**, CC-C-052-0-2** were rejected (R) due to exceedances in the continuing calibration percent difference. The results are not usable for project objectives, which may have a major impact on the data usability.

Samples indicated by a double asterisk on the front cover underwent Category B review. A Category A review was performed on all of the other samples. Calibration and raw data were not evaluated for the samples reviewed by Category A criteria since this review is based on QC data.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

VOC and SVOC

All criteria were met. GC/MS tunes were not reviewed for samples reviewed by Category A criteria.

GC/ECD Instrument Performance Checks

Pesticide

All criteria were met. GC/ECD instrument performance checks were not reviewed for samples reviewed by Category A criteria.

Initial and Continuing Calibrations

Initial and continuing calibrations were not reviewed for samples reviewed by Category A criteria.

VOC

Compounds that did not meet criteria in the VOC calibrations are summarized in the following table.

Continuing calibration:

Date	Instrument ID	Compound	IC RRF	Associated Samples		Validation Action
2/25/14	F6606	Bromomethane	29.9	LT-G-030-0-2**	XX	UJ nondetects

- X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J) positive and blank-qualified (UJ) results only.
- XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
- SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
- XXX = Continuing calibration (CC) and second source verification percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
- + = Response factor (RRF) < 0.05 or <0.01 and <0.005 for poor performing compounds; Estimate (J) positive results and reject (R) nondetect results.
- = Criteria were met.

The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

SVOC

Compounds that did not meet criteria in the SVOC calibrations are summarized in the following table.

Continuing calibration:

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
3/3/14	U3938	Diethylphthalate	20.2	LT-G-027-2-4**	XX	UJ nondetects
3/3/14	X0088121	Hexachlorocyclopentadiene	28.6	CC-C-048-8-10** CC-C-051-0-2** CC-C-052-0-2**	XX	UJ nondetects
3/3/14	X0088121	Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene	24.7 23.3	CC-C-048-8-10** CC-C-051-0-2** CC-C-052-0-2**	XX XX	J detects J detects
3/3/14	X0088121	Dibenzo(a,h)anthracene	20.5	CC-C-048-8-10**	XX	J detects
3/3/14	X0088121	Dibenzo(a,h)anthracene	20.5	CC-C-051-0-2** CC-C-052-0-2**	XX	UJ nondetects
3/3/14	X0088122	Benzaldehyde	99.8	CC-C-048-8-10** CC-C-051-0-2** CC-C-052-0-2**	XXX	R nondetects

- X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J) positive and blank-qualified (UJ) results only.
- XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
- SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
- XXX = Continuing calibration (CC) and second source verification percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
- + = Response factor (RRF) < 0.05 or <0.01 and <0.005 for poor performing compounds; Estimate (J) positive results and reject (R) nondetect results.
- = Criteria were met.

The bias cannot be determined. The results can be used for project objectives as estimated (J) and nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

The SVOC nondetect results for benzylaldehyde in samples CC-C-048-8-10**, CC-C-051-0-2**, CC-C-052-0-2** were rejected (R) due to exceedances in the continuing calibration percent difference. The results are not usable for project objectives, which may have a major impact on the data usability.

Pesticide

Compounds that did not meet criteria in the Pesticide calibrations are summarized in the following table.

Continuing calibration:

Date	Instrument ID	Column	Compound	CC %D	Associated Samples		Validation Action
1/7/14	25_65064	RTX-CLP2	Toxapene	32.7	LT-G-027-2-4** LT-C-053-6-8**	XX	UJ nondetects

- X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J) positive and blank-qualified (UJ) results only.
- XX = Continuing calibration (CC) and second source verification percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
- XXX = Continuing calibration (CC) and second source verification percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
- = Criteria were met.

The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Blanks

VOC

Contamination was not detected in the method blanks.

Contamination was detected in the field blank FB028 and trip blank TB for the VOC analyses. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected. The following table summarizes the contamination detected.

Field Blank ID	Compound	Level Detected	Action Level	Associated Samples
FB028	Methylene chloride	0.65 ug/L	<2x RL	LT-G-030-0-2**
TB	Acetone	6.7 ug/L	<2x RL	FB028 LT-G-030-0-2** (2x)

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and \leq the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and \leq the Action Level, qualify the result as not detected (U) at the reported concentration.

No samples were qualified since the associated sample results were nondetect or greater than the action level.

SVOC

Contamination was not detected in the method blanks.

Contamination was detected in the field blank FB028 for the SVOC analyses. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <RL of the concentrations detected. The following table summarizes the contamination detected.

Field Blank ID	Compound	Level Detected	Action Level	Associated Samples
FB028	Di-n-butylphthalate	0.51 ug/L	<RL	CC-C-048-0-2 CC-C-048-4-6 CC-C-048-8-10** CC-C-049-2-2 CC-C-049-2-4 CC-C-049-8-10 CC-C-050-0-2 CC-C-050-2-4 CC-C-050-8-10 DUP027 CC-C-051-0-2** CC-C-051-2-4 CC-C-051-8-10 CC-C-052-0-2** CC-C-052-2-4 CC-C-052-8-10 LT-G-026-0-2 LT-G-026-4-6 LT-G-026-6-8 LT-G-027-0-2 LT-G-027-2-4** LT-G-027-8-10 LT-C-053-0-2 LT-C-053-4-6 LT-C-053-6-8 LT-C-054-0-2 LT-C-054-2-4 LT-C-057-0-2 LT-C-057-2-4 LT-C-057-6-8

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and \leq the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and \leq the Action Level, qualify the result as not detected (U) at the reported concentration.

No samples were qualified since the associated sample results were nondetect.

Pesticide

Contamination was detected in the associated pesticide method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at < RL for contaminants. The following table summarizes the contamination detected.

Blank ID	Compound	Level Detected	Action Level	Associated Samples
MB 480-167614/1-A	delta-BHC	0.456 ug/Kg	<RL	CC-C-050-2-4** CC-C-052-8-10 LT-G-026-4-6 LT-G-026-6-8
MB 480-167812/1-A	delta-BHC gamma-Chlordane	0.570 ug/Kg 0.641 ug/Kg	<RL <RL	CC-C-048-0-2 CC-C-048-4-6 CC-C-048-8-10** CC-C-049-2-2 CC-C-049-2-4 CC-C-049-8-10 CC-C-050-0-2 CC-C-050-8-10 DUP027 CC-C-051-0-2** CC-C-051-2-4 CC-C-051-8-10 CC-C-052-0-2** CC-C-052-2-4 LT-G-026-0-2 LT-G-027-0-2

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

Qualified sample results are listed in the table below.

Sample ID	Compound	Level Detected	Validation Action
CC-C-050-8-10	delta-BHC	0.64 ug/Kg	1.9U ug/Kg
	gamma-Chlordane	1.0 ug/Kg	1.9U ug/Kg
DUP027	delta-BHC	0.77 ug/Kg	2.0U ug/Kg
	gamma-Chlordane	1.4 ug/Kg	2.0U ug/Kg
LT-G-027-0-2	gamma-Chlordane	1.1 ug/Kg	1.9U ug/Kg

These results can be used for project objectives as nondetects (U) which may have a minor impact on the data usability.

No positive results were found in the field blanks FB028 for pesticide analyses.

Surrogate Recoveries

VOC and SVOC

All criteria were met.

Pesticide

Surrogates were recovered outside of control limits for samples CC-C-048-0-2, CC-C-048-4-6, CC-C-048-8-10**, CC-C-049-2-2, CC-C-049-2-4, CC-C-049-8-10, CC-C-050-0-2, CC-C-051-0-2**, CC-C-051-2-4, CC-C-051-8-10, CC-C-052-0-2**, CC-C-052-2-4, LT-G-026-0-2, LT-G-027-2-4**, LT-C-053-0-2, LT-C-053-6-8**, and LT-C-054-0-2. No actions were taken for samples analyzed at greater than 5X dilution.

MS/MSD Results

VOC

MS/MSD analyses were not performed for the VOC analyses.

SVOC

MS/MSD analyses were performed on samples CC-C-048-4-6 and LT-C-054-2-4 for SVOC. The following table lists the compounds recovered outside of control limits in the MS/MSD analyses and the resulting actions.

Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Affected Sample	Validation Action
Bis(2-ethylhexyl)phthalate	-	155 (61-133)	18 (≤ 15)	CC-C-048-4-6	None
Pyrene	167 (51-133)	-	-	CC-C-048-4-6	J detects

- Within control limits

The pyrene results may be biased high. The results can be used for project objectives as estimated (J) which may have a minor impact on the data usability.

Validation action was not required for bis(2-ethylhexyl)phthalate due to high MS/MSD recoveries and high RPD as positive results only are affected and this compound was not detected in the associated samples.

Pesticide

MS/MSD analyses were performed on samples CC-C-048-4-6 and LT-C-054-2-4 for pesticide. All criteria were met.

LCS Results

VOC and SVOC

All criteria were met.

Pesticide

The following table lists the compounds recovered outside of control limits in the pesticide analyses and the resulting validation actions.

LCS ID	Compound	LCS %R (Limits)	LCS/D %R (Limits)	RPD (Limits)	Affected Sample	Validation Action
LCS/D 4180-167536/2,3-A	Endrin aldehyde	136 (46-134)	139 (46-134)	-	FB028	None

- Within control limits

Validation action was not required for Endrin aldehyde due to high LCS/LCSD recoveries as positive results only are affected and these compounds were not detected in the associated sample.

Internal Standards

VOC

All criteria were met. Internal standards were not reviewed for samples reviewed by Category A criteria.

SVOC

The following table lists the internal standards recovered outside of control limits and the resulting actions.

Sample	Internal Standard	Area Exceedances (Limits)	Affected Compounds	Validation actions
CC-C-048-8-10**	Chrysene-d12	193158 (236732-946928)	3,3'-Dichlorobenzidine Benzo(a)anthracene Chrysene Bis(2-ethylhexyl)phthalate Di-n-octylphthalate	J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects
CC-C-051-0-2**	Chrysene-d12 Perylene-d12	175380 (236732-946928) 133014 (139826-559302)	3,3'-Dichlorobenzidine Benzo(a)anthracene Chrysene Bis(2-ethylhexyl)phthalate Di-n-octylphthalate Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene Benzo(g,h,i)perylene	J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects

Sample	Internal Standard	Area Exceedances (Limits)	Affected Compounds	Validation actions
CC-C-052-0-2**	Chrysene-d12	172934 (236732-946928)	3,3'-Dichlorobenzidine Benzo(a)anthracene Chrysene Bis(2-ethylhexyl)phthalate Di-n-octylphthalate	J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects
LT-G-027-2-4**	Chrysene-d12 Perylene-d12	118407 (164223-656892) 74756 (119757-479028)	3,3'-Dichlorobenzidine Benzo(a)anthracene Chrysene Bis(2-ethylhexyl)phthalate Di-n-octylphthalate Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene Benzo(g,h,i)perylene	J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects J detects/UJ nondetects

The bias cannot be determined from the internal standard nonconformance. The results can be used for project objectives as estimated values (J) and nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Moisture Content

VOC, SVOC, and Pesticide

All criteria were met.

Field Duplicate Results

Samples CC-C-050-8-10 and DUP027 were submitted as the field duplicate pair with this sample group. The following table summarizes the concentrations and validation actions taken.

VOC

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

SVOC

Compound	Concentration (ug/Kg)		RPD (Limits)	Difference (Limits)	Action
	CC-C-050-8-10	DUP027			
2-Methylnaphthalene	4.6	5.3	-	0.7 (≤ 400)	-
Acenaphthene	5.1	9.9	-	4.8 (≤ 400)	-
Acenaphthylene	200U	7.7	-	192.3 (≤ 400)	-
Anthracene	13	23	-	10 (≤ 400)	-

Compound	Concentration (ug/Kg)		RPD (Limits)	Difference (Limits)	Action
	CC-C-050-8-10	DUP027			
Benzo(a)anthracene	54	72	-	18 (≤ 400)	-
Benzo(a)pyrene	54	72	-	18 (≤ 400)	-
Benzo(b)fluoranthene	63	81	-	18 (≤ 400)	-
Benzo(g,h,i)perylene	45	58	-	13 (≤ 400)	-
Benzo(k)fluoranthene	45	51	-	6 (≤ 400)	-
Carbazole	200U	8.5	-	191.5 (≤ 400)	-
Bis(2-ethylhexyl)phthalate	980	200U	-	780 (≤ 400)	-
Chrysene	62	82	-	20 (≤ 400)	-
Dibenzofuran	200U	5.2	-	194.8 (≤ 400)	-
Fluoranthene	73	110	-	37 (≤ 400)	-
Fluorene	200U	13	-	187 (≤ 400)	-
Indeno(1,2,3-cd)pyrene	46	55	-	9 (≤ 400)	-
Naphthalene	11	14	-	3 (≤ 400)	-
Phenanthrene	48	85	-	37 (≤ 400)	-
Pyrene	140	190	-	50 (≤ 400)	-

--no action required

For soil results > 5xQL and RPDs >100; estimate (J) results in the field duplicate pair.
 For soil results < 5xQL; the sample and duplicate results must be within 2XQL.

Pesticide

Compound	Concentration (ug/Kg)		RPD (Limits)	Difference (Limits)	Action
	CC-C-050-8-10	DUP027			
4,4'-DDD	1.4	0.69	-	0.71 (≤ 4.0)	-
4,4'-DDE	1.6	1.8	-	0.2 (≤ 4.0)	-
4,4'-DDT	1.9	4.9	-	3.0 (≤ 4.0)	-
delta-BHC	0.64	1.77	-	0.13 (≤ 4.0)	-
Dieldrin	1.9U	1.0	-	0.9 (≤ 3.8)	-
Endrin	1.9U	0.70	-	0.2 (≤ 3.8)	-
gamma-Chlordane	1.0	1.4	-	0.4 (≤ 4.0)	-
Methoxychlor	1.9U	2.8	-	0.9 (≤ 3.8)	-

--no action required

For soil results > 5xQL and RPDs >100; estimate (J) results in the field duplicate pair.
 For soil results < 5xQL; the sample and duplicate results must be within 2XQL.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the MDL in the VOC, SVOC, and Pesticide analyses. These results were qualified as estimated (J) by the laboratory.

Due to high target compound levels or difficult sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. QLs were elevated accordingly.

Sample	VOC Analysis Reported
LT-G-030-0-2	2-fold dilution for acetone due to high analyte level

Sample	SVOC Analysis Reported
CC-C-048-0-2 CC-C-048-4-6 CC-C-049-2-4 CC-C-051-0-2** CC-C-051-2-4 CC-C-051-8-10 CC-C-052-0-2** CC-C-052-2-4 LT-G-026-0-2 LT-C-053-0-2 LT-C-054-0-2	10-fold dilution due to nature of sample matrix

Sample	Pesticide Analysis Reported
CC-C-048-0-2 CC-C-048-4-6 CC-C-048-8-10** CC-C-049-2-2 CC-C-049-2-4 CC-C-050-0-2 CC-C-051-0-2** CC-C-051-2-4 LT-C-053-0-2	50-fold dilution due to nature of sample matrix
CC-C-049-8-10 LT-G-027-2-4** LT-C-053-6-8** LT-C-054-0-2	10-fold dilution due to nature of sample matrix
CC-C-051-8-10 CC-C-052-0-2** CC-C-052-2-4 LT-G-026-0-2	20-fold dilution due to nature of sample matrix
CC-C-052-8-10 LT-G-027-8-10 LT-C-053-4-6 LT-C-057-0-2 LT-C-057-6-8	5-fold dilution due to nature of sample matrix

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

The following table lists the GC dual column RPDs for pesticide which were outside of control limits and the resulting actions. The direction of the bias cannot be determined from this nonconformance. All results are usable as nondetects or estimated values.

Sample	Compound	RPD (%)	Validation Actions
CC-C-048-8-10**	4,4'-DDT	48.56	J detects
CC-C-050-2-4**	4,4'-DDD	44.90	J detects
CC-C-050-2-4**	4,4'-DDT	71.52	1.9U ug/Kg
CC-C-051-0-2**	4,4'-DDT	62.54	90U ug/Kg
LT-G-027-2-4**	4,4'-DDE	39.64	J detects

For %RPD between 26 and 70%; estimate (J) the positive result.

For %RPD between 71 and 100%; qualify the result as presumptively present (JN).

For %RPD >50% and the result < QL; raise the value to the QL and qualify as nondetect (U).

For %RPD > 100% and interference is present; qualify the result as presumptively present (JN).

For %RPD > 100% and interference is not present; reject (R) result.

DATA VALIDATION QUALIFIERS

- U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.
- J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified “J” data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The ‘J’ data may be biased high or low or the direction of the bias may be indeterminable.
- UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified “UJ” data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The ‘UJ’ data may be biased low.
- JN - The analysis indicates the presence of a compound that has been “tentatively identified” (N) and the associated numerical value represents its approximate (J) concentration.
- R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 31445C1a **VALIDATION COMPLETENESS WORKSHEET**

SDG #: 480-55157-1

Cat A/Cat B

Laboratory: Test America, Inc.

Date: 3/18/14

Page: 1 of 1

Reviewer: WQ2nd Reviewer: CA**METHOD:** GC/MS Volatiles (EPA SW 846 Method ^{8260C}8270C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/21/14
II.	GC/MS Instrument performance check	A	Not reviewed for Cat A review.
III.	Initial calibration	AS ^a	Not reviewed for Cat A review. 2 RSD \leq 20% r _r
IV.	Continuing calibration/ICV	SW	Not reviewed for Cat A review. COV/ICV \leq 20% ICV \leq 30%
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	CS
VIII.	Laboratory control samples	A	LCS
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	A	Not reviewed for Cat A review.
XII.	Compound quantitation/RL/LOQ/LODs	SW	Not reviewed for Cat A review. MDL < Results < RL = Jacts /A
XIII.	Tentatively identified compounds (TICs)	N	Not reviewed for Cat A review.
XIV.	System performance	A	Not reviewed for Cat A review.
XV.	Overall assessment of data	SW	
XVI.	Field duplicates	N	
XVII.	Field blanks	SW	FB = 1 TB = 2

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.
** Leak N Water

1	1	FB028	11	1	MB 480-167958/8	21		31	
2	1	TB	12	2	- 167563/7	22		32	
3	✓	LT-G-030-0-2	**	13	3	- 167750/2-A	23		33
4	3	LT-G-030-0-2DL	** (2x)	14			24		34
5				15			25		35
6				16			26		36
7				17			27		37
8				18			28		38
9				19			29		39
10				20			30		40

F Dil due to exceedance

LDC #: 31445 C1a

VALIDATION FINDINGS WORKSHEET

Continuing Calibration

Page: 1 of 1

Reviewer: JVG

2nd Reviewer: 9

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

Y N N/A Were percent differences (%D) $\leq 20\%$ and relative response factors (RRF) within the method criteria?

[illegible]

LDC #: 31445 CIA**VALIDATION FINDINGS WORKSHEET**
Field BlanksPage: 1 of 1Reviewer: JVG2nd Reviewer: al**METHOD:** GC/MS VOA (EPA SW 846 Method 8260C)Y N N/A Were field blanks identified in this SDG?Y N N/A Were target compounds detected in the field blanks?Blank units: ug/L Associated sample units: ug/kgSampling date: 2/21/14

Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: _____

Associated Samples: 3 4 (ND)

Compound	Blank ID	Action level	Sample Identification							
	<u>1</u>									
<u>E</u>	<u>0.65</u>	<u>1.3</u>								

Blank units: ug/L Associated sample units: ug/L ; ug/kgSampling date: 2/21/14

Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: _____

Associated Samples: 1 3 4

Compound	Blank ID	Action level	Sample Identification (either ND or > 2x)							
	<u>2</u>									
<u>F</u>	<u>6.7</u>	<u>13.4</u>								

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

Common contaminants such as Methylene chloride, Acetone, 2-Butanone and Carbon disulfide that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

LDC #: 31445 CIA

VALIDATION FINDINGS WORKSHEET

Compound Quantitation and CRQLs

Page: 1 of 1

Reviewer: JVG

2nd Reviewer: 07

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A

Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?

Y	N	N/A
---	---	-----

Were compound quantitation and CRQLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?

[illegible]

Comments: See sample calculation verification worksheet for recalculations

LDC #: 71445C1a

VALIDATION FINDINGS WORKSHEET

Overall Assessment of Data

Page: 1 of 1

Reviewer: JV6

2nd Reviewer: _____

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

All available information pertaining to the data were reviewed using professional judgement to compliment the determination of the overall quality of the data.

Y/N N/A Was the overall quality and usability of the data acceptable?

[illegible]

Comments: _____

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

METHOD: GC/MS VOA (EPASW 846 Method 8260C)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$$RRF = (A_x)(C_{is}) / (A_{is})(C_x)$$

average RRF = sum of the RRFs/number of standards

$$\%RSD = 100 * (S/X)$$

 A_x = Area of Compound C_x = Concentration of compound

S = Standard deviation of the RRFs


 A_{is} = Area of associated internal standard C_{is} = Concentration of internal standard

X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (IS)	Reported RRF (RRF 25 std)	Recalculated RRF (RRF 25 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL HP5973S	02/04/14	Acetone (IS1)	0.5710	0.5710	0.5715	0.5715	14.0	13.8
			Ethylbenzene (IS2)	3.3706	3.3706	3.3482	3.3483	6.4	6.4
			1,1,2,2-TCA (IS3)	0.9558	0.9558	0.9573	0.9573	4.2	4.2

LDC #: 31445C1a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 2 of 2
Reviewer: JVG
2nd Reviewer: 

METHOD: GC/MS VOA (EPASW 846 Method 8260C)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$$RRF = (A_x)(C_{is}) / (A_{is})(C_x)$$

average RRF = sum of the RRFs/number of standards

$$\%RSD = 100 * (S/X)$$

 A_x = Area of Compound C_x = Concentration of compound

S= Standard deviation of the RRFs

 A_{is} = Area of associated internal standard C_{is} = Concentration of internal standard

X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (IS)	Reported RRF (RRF 50 std)	Recalculated RRF (RRF 50 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL HP5973F	02/11/14	Acetone (IS1)	0.4189	0.4189	0.4710	0.4710	9.9	9.9
			Chlorobenzene (IS2)	2.0858	2.0858	2.0712	2.0712	4.2	4.2
			1,1,2,2-TCA (IS3)	0.8657	0.8657	0.8672	0.8672	5.0	5.0

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

METHOD: GC/MS VOA (EPASW 846 Method 8260C)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

$$\% \text{ Difference} = 100 * (\text{ave. RRF} - \text{RRF}) / \text{ave. RRF}$$
$$\text{RRF} = (\text{Ax})(\text{Cis}) / (\text{Ais})(\text{Cx})$$

Where:

ave. RRF = initial calibration average RRF

RRF = continuing calibration RRF

Ax = Area of compound,

Cx = Concentration of compound,

Ais = Area of associated internal standard

Cis = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (IS)	Average RRF (Initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported % D	Recalculated %D
1	f6606	2/25/2014	Acetone (IS1)	0.4710	0.4164	0.4164	11.6	11.6
			Chlorobenzene (IS2)	2.0712	1.7885	1.7885	13.6	13.6
			1,1,2,2-TCA (IS3)	0.8672	0.7801	0.7801	10.0	10.0
2	s35400	2/26/2014	Acetone (IS1)	0.5715	0.6058	0.6058	6.0	6.0
			Ethylbenzene (IS2)	3.3482	3.2780	3.2780	2.1	2.1
			1,1,2,2-TCA (IS3)	0.9573	0.9017	0.9017	5.8	5.8

LDC #: 31945 CIA**VALIDATION FINDINGS WORKSHEET**
Surrogate Results VerificationPage: 1 of 1Reviewer: JVG2nd reviewer: CW**METHOD:** GC/MS VOA (EPA SW 846 Method 8260C)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: $SF/SS \times 100$ Where: SF = Surrogate Found
SS = Surrogate SpikedSample ID: ± 3

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4	50.0	56.8	114	114	9
Toluene-d8	1	47.3	95	95	↓
Bromofluorobenzene	1	44.7	89	89	↓

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4					
Toluene-d8					
Bromofluorobenzene					

LDC #: 31445 C1a

VALIDATION FINDINGS WORKSHEET **Laboratory Control Sample Results Verification**

Page: 1 of 1Reviewer: JVG2nd Reviewer: α**METHOD:** GC/MS VOA (EPA SW 846 Method 8260C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = $100 * SSC/SA$

Where: SSC = Spiked sample concentration

SA = Spike added

RPD = $|LCSC - LCSDC| * 2 / (LCSC + LCSDC)$

LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS ID: LCS 480-167563/6

Compound	Spike Added (ug/kg)		Spiked Sample Concentration (ug/kg)		LCS		LCSD		LCS/LCSD	
					Percent Recovery		Percent Recovery		RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
1,1-Dichloroethene	50.8	NA	42.3	NA	85	85				
Trichloroethene	↓	↓	45.0	↓	90	90				
Benzene	↓	↓	45.1	↓	90	90				
Toluene	↓	↓	40.6	↓	81	81				
Chlorobenzene	↓	↓	42.3	↓	85	85				

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31445 CIA

VALIDATION FINDINGS WORKSHEET

Sample Calculation Verification

Page: 1 of 1

Reviewer: JVG

2nd reviewer: CN

METHOD: GC/MS VOA (EPA SW 846 Method 8260C)

Y N N/A

Were all reported results recalculated and verified for all level IV samples?

Y	N	N/A
---	---	-----

Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

$$\text{Concentration} = \frac{(A_v)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. 4, F:

$$\text{Conc.} = \frac{(26.58)(25)(10 \text{ ml})(5 \text{ ml})}{(102276)(0.5715)(4.211 \text{ g})(0.100 \text{ ml})(0.849)}$$

$$= 15886$$

$$\approx 1600 \text{ ug 15g}$$

[illegible]

YES NO N/A

I. PACKAGE COMPLETENESS AND DELIVERABLES

CASE NUMBER/ SDG #: 314456/480-55157-1 LAB: Test America Buffalo

SITE NAME: Glen Isle

1.0 Data Completeness and Deliverables

1.1 Has all data been submitted in CLP deliverable
format or CLP Forms Equivalent?

☒ 1 1

ACTION: If not, note the effect on review of the data in
the Data Assessment narrative.

2.0 Cover Letter, SDG Narrative

2.1 Is a laboratory narrative, and/or cover letter
signed release present?

☒ 1 1

2.2 Are case number and SDG number(s) contained
in the narrative or cover letter?

☒ 1 1

ACTION: If not, note the effect on review of the data in
the Data Assessment narrative.

II. VOLATILE ANALYSES

1.0 Traffic Reports and Laboratory Narrative

1.1 Are the Traffic Reports, and/or Chain of Custodies
from the field samplers present for all samples
sign release present?

☒ 1 1

ACTION: If no, contact the laboratory/sampling team for replacement
of missing or illegible copies.

1.2 Is a sampling trip report present (if required)? ☒ 1 1

1.3 Sample Conditions/Problems

YES NO N/A

1.3.1 Do the Traffic Reports, Chain of Custodies, or Lab Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special notations affecting the quality of the data? 1

ACTION: If all the VOA vials for a sample have air bubbles or the VOA vial analyzed had air bubbles, flag all positive results "J" and all non-detects "R".

ACTION: If any sample analyzed as a soil, other than TCLP, contains 50%-90% water, all data should be flagged as estimated ("J"). If a soil sample, other than TCLP, contains more than 90% water, flag all positive results "J" and all non-detects "R".

ACTION: If samples were not iced or if the ice was melted upon receipt at the laboratory and the temperature of the cooler was elevated ($>10^{\circ}\text{C}$), flag all positive results "J" and all non-detects non"UJ".

2.0 Holding Times

2.1 Have any volatile holding times, determined from date of collection to date of analysis, been exceeded? 1

The maximum holding time for aqueous samples is 14 days.

The maximum holding time for soils non aqueous samples is 14 days.

NOTE: If unpreserved, aqueous samples maintained at 4°C for aromatic hydrocarbons analysis must be analyzed within 7 days. If preserved with HCL acid to a $\text{pH}<2$ and stored at 4°C , then aqueous samples must be analyzed within 14 days from time of collection. For non-aqueous samples for volatile components that are frozen (less than 7°C) or are properly cooled ($4^{\circ}\text{C} \pm 2^{\circ}\text{C}$) and perserved with NaHSO_4 , the maximum holding time is 14 days from sample collection. If

YES NO N/A

uncertain about preservation, contact the laboratory
/sampling team to determine whether or not samples were
preserved.

ACTION: Qualify sample results according to Table 1:

Table 1. Holding Time Actions for Trace Volatile Analysis

Matrix	Preserved	Criteria	Action	
			Detected Associated Compounds	Non-Detected Associated Compounds
Aqueous	No	≤ 7 days	No qualifications	
	No	> 7 days	J	R
	Yes	≤ 14 days	No qualifications	
	Yes	> 14 days	J	R
Non Aqueous	No	≤ 14 days	J	R
	Yes	≤ 14 days	No qualifications	
	Yes/No	> 14 days	J	R

3.0 Surrogate Recovery (CLP Form II Equivalent)

3.1 Have the volatile surrogate recoveries been listed on Surrogate
Recovery forms for each of the following matrices:

a. Water

☒ ☐ ☐

b. Soil

☒ ☐ ☐

3.2 If so, are all the samples listed on the appropriate Surrogate
Recovery forms for each matrix:

a. Water

☒ ☐ ☐

b. Soil

☒ ☐ ☐

ACTION: If large errors exist, deliverables are unavailable or
information is missing, document the effect(s) in Data

YES NO N/A

Assessments and contact the laboratory/project officer/appropriate official for an explanation /resubmittal, make any necessary corrections and document effect in the Data Assessment.

- 3.3 Were the surrogate recovery limits followed ^{lab limits.} ~~per Table 2~~. If Table 2 criteria were not followed, the laboratory may use in-house performance criteria (per SW-846, Method 8000C, section 9.7). Other compounds may be used as surrogates, depending upon the analysis requirements. ☒ ☐ ☐

Table 2. Surrogate Spike Recovery Limits for Water and Soil/Sediments

DMC	Recovery Limits (%)Water	Recovery Limits Soil/Sediment
4-Bromofluorobenzene	80-120	70-130
Dibromofluoromethane	80-120	70-130
Toluene-d ₈	80-120	70-130
Dichloroethane-d ₄	80-120	70-130

Note: Use above table if laboratory did not provide in house recovery criteria.

Note: Other compounds may be used as surrogated depending upon the analysis requirements.

- 3.4 Were outliers marked correctly with an asterisk? ☐ ☐ ☒

ACTION: Circle all outliers with a red pencil.

- 3.5 Were one or more volatile surrogate recoveries out of specification for any sample or method blank. Table 2. ☐ ☒ ☐

If yes, were samples reanalyzed? ☐ ☐ ☒

Were method blanks reanalyzed? ☐ ☐ ☒

YES NO N/A

ACTION: If all surrogate recoveries are > 10% but 1 or more compounds do not meet method specifications:

1. Flag all positive results as estimated ("J").
2. Flag all non-detects as estimated detection limits ("UJ") when recoveries are less than the lower acceptance limit.
3. If recoveries are greater than the upper acceptance limit, do not qualify non-detects, but qualify positive results as estimated "J".

If any surrogate has a recovery of < 10%:

1. Positive results are qualified with ("J").
2. Non-detects for that should be qualified as unusable ("R").

NOTE: Professional judgement should be used to qualify data that have method blank surrogate recoveries out of specification in both original and reanalyses. The basic concern is whether the blank problems represent an isolated problem with the blank alone or whether there is a fundamental problem with the analytical process. If one or more samples in the batch show acceptable surrogate recoveries, the reviewer may choose the blank problem to be an isolated occurrence.

3.6 Are there any transcription/calculation errors between raw data and reported data?

11 /

ACTION: If large errors exist, take action as specified in section 3.2 above.

4.0 Laboratory Control Sample (Form III/Equivalent)

4.1 Is the LCS prepared, extracted, analyzed, and reported once for every 20 field samples of a similar matrix, per SDG.

14 /

YES NO N/A

Note: LCS consists of an aliquot of a clean (control) matrix similar to the sample matrix and of the same weight or volume.

ACTION: If any Laboratory Control Sample data are missing, call the lab for explanation /resubmittals. Make note in the data assessment.

4.2 Were the Laboratory Control Samples analyzed at the required frequency for each of the following matrices:

A. Water	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. Soil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. Med Soil	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Note: The LCS is spiked with the same analytes at the same concentrations as the matrix spike (SW-846 8000C, Section 9.5). If different make note in data assessment. Matrix/LCS spiking standards should be prepared from volatile organic compounds which are representative of the compounds being investigating. At a minimum, the matrix spike should include 1,1-dichloroethene, trichloroethene, chlorobenzene, toluene, and benzene.

ACTION: If any MS/MD, MS/MSD or replicate data are missing, take the action specified in 3.2 above.

4.3 Have in house LCS recovery limits been developed (Method 8000C, Sect 9.7). ☒ ☐ ☐

4.4 If in house limits are not developed, are LCS acceptance recovery limits between 70 - 130% (Method 8000c Sect 9.5)? ☐ ☐ ☒

4.5 Were one or more of the volatile LCS recoveries outside the in house laboratory recovery criteria for spiked analytes? ~~If in house limits are not present use 70 - 130% recovery limits.~~ ☒ ☐ ☐

YES NO N/A

Table 3. LCS Actions for Volatile Analysis

Criteria	Action	
	Detected Spiked Compounds	Non-Detected Spiked Compounds
%R > Upper Acceptance Limit	J	No Qualifiers
%R < Lower Acceptance Limit	J	UJ
Lower Acceptance Limit ≤ %R	No Qualifications	

5.0 Matrix Spikes (Form III or equivalent)

5.1 Are all data for matrix spike and matrix duplicate or matrix spike duplicate (MS/MD or MS/MSD) present and complete for each matrix? 11 — —

NOTE: The laboratory should use one matrix spike and a duplicate analysis of an unspiked field sample if target analytes are expected in the sample. If the sample is not expected to contain target analytes, a MS/MSD should be analyzed (SW-846, Method 8260B, Sect 8.4.2).

5.2 Have MS/MD or MS/MSD results been summarized on modified CLP Form III? 11 — —

ACTION: If any data are missing take action as specified in section 3.2 above.

5.3 Were matrix spikes analyzed at the required frequency for each of the following matrices? (One MS/MD, MS/MSD or laboratory replicate must be performed for every 20 samples)

YES NO N/A

of similar matrix or concentration level. Laboratories analyzing one to ten samples per month are required to analyze at least one MS per month [page 8000C, section 9.5.])

a. Water	11	—	✓
b. Waste	11	—	✓
c. Soil/Solid	11	—	✓

Note: The LCS is spiked with the same analytes at the same concentrations as the matrix spike (SW-846 8000C, Section 9.5). If different make note in data assessment. Matrix/LCS spiking standards should be prepared from volatile organic compounds which are representative of the compounds being investigating. At a minimum, the matrix spike should include 1,1-dichloroethene, trichloroethene, chlorobenzene, toluene, and benzene. The concentration of the LCS should be determined as described SW-Method 8000C Section 9.5.

ACTION: If any MS/MD, MS/MSD or replicate data are missing, take the action specified in 3.2 above.

5.4 Have in house MS recovery limits been developed (Method 8000C, Sect 9.7) for each matrix. 11 — ✓

5.5 Were one or more of the volatile MS/MSD recoveries outside of the in-house laboratory recovery criteria for spiked analytes? If none are present, then use 70-130% recovery as per SW-846, 8000C, Sect. 9.5.4. 11 — ✓

ACTION: Circle all outliers with a red pencil.

NOTE: If any individual % recovery in the MS (or MSD) falls outside the designated range for recovery the reviewer should determine if there is a matrix effect. A matrix effect is indicated if the LCS data are within limits but the MS data exceeds the limits.

YES NO N/A

NOTE: No qualification of data is necessary on MS and MSD data alone. However, using informed professional judgement, the data reviewer may use MS and MSD results in conjunction with other QC criteria to determine the need for some qualification.

Note: The data reviewer should first try to determine to what extent the results of the MS and MSD affect the associated data. This determination should be made with regard to the MS and MSD sample itself, as well as specific analytes for all samples associated with the MS and MSD.

Note: In those instances where it can be determined that the results of the MS and MSD affect only the sample spiked, limit qualification to this sample only. However, it may be determined through the MS and MSD results that a laboratory is having a systematic problem in the analysis of one or more analytes that affect all associated samples, and the reviewer must use professional judgement to qualify the data from all associated samples.

Note: The reviewer must use professional judgement to determine the need for qualification of non-spiked compounds.

ACTION: Follow criteria in Table 4 when professional judgement deems qualification of sample.

Table 4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Actions for Volatile Analysis

Criteria	Action	
	Detected Spiked Compounds	Non-Detected Spiked Compounds
%R > Upper Acceptance Limit	J	No Qualifiers
%R < Lower Acceptance Limit	J	UJ
Lower Acceptance Limit ≤ %R	No Qualifications	

YES NO N/A

6.0 Blank (CLP Form IV Equivalent)

6.1 Is the Method Blank Summary form present? 1/1 — —

6.2 Frequency of Analysis: Has a method blank been analyzed for every 20 (or less) samples of similar matrix or concentration or each extraction batch? 1/1 — —

6.3 Has a method blank been analyzed for each GC/MS system used ? 1/1 — —

ACTION: If any blank data are missing, take action as specified above (section 3.2). If blank data is not available, reject @ all associated positive data. However, using professional judgement, the data reviewer may substitute field blank data for missing method blank data.

6.4 Chromatography: review the blank raw data - chromatograms, quant reports or data system printouts.

Is the chromatographic performance (baseline stability) for each instrument acceptable for volatile organic compounds? 1/1 — —

7.0 Contamination

NOTE: "Water blanks", "drill blanks" and "distilled water blanks" are validated like any other sample and are not used to qualify the data. Do not confuse them with the other QC blanks discussed below.

7.1 Do any method/instrument/reagent blanks have positive results for target analytes and/or TICs? When applied as described below, the contaminant concentration in these blanks are multiplied by the sample dilution factor and corrected for percent moisture where necessary. 1/1 — —

YES NO N/A

7.2 Do any field/rinse blanks have positive
volatile organic compound results?

/ 11

ACTION: Prepare a list of the samples associated with each
of the contaminated blanks. (Attach a separate
sheet.)

NOTE: All field blank results associated to a particular
group of samples (may exceed one per case or one
per day) may be used to qualify data. Blanks may
not be qualified because of contamination in
another blank. Field blanks must be qualified for
surrogate, or calibration QC problems.

ACTION: Follow the directions in Table 5 below to qualify
sample results due to contamination. Use the
largest value from all the associated blanks.

Table 5. Volatile Organic Analysis Blank Contamination Criteria

Blank Type	Blank Result	Sample Result	Action for Samples
Method, Storage, Field, Trip, Instrument**	Detects	Not detected	No qualification
	< CRQL*	< CRQL	Report CRQL value with a U
		≥ CRQL	Use professional judgement
	> CRQL*	< CRQL	Report CRQL value with a U
		≥ CRQL and < blank contamination	Report the concentration for the sample with a U, or qualify the data as unusable R
		≥ CRQL and ≥ blank contamination	Use professional judgement
	= CRQL*	< CRQL	Report CRQL value with a U
		≥ CRQL	Use professional judgement
	Gross contamination	Detects	Qualify results as unusable R

* 2x the CRQL for methylene chloride, 2-butanone, and acetone

** Qualifications based on instrument blank results affect only the sample analyzed immediately after the sample that has target compounds that exceed the calibration range or non-target compounds that exceed 100 ug/L.

NOTE: If gross blank contamination exists (e.g., saturated peaks, "hump-o-grams," "junk" peaks), all affected positive compounds in the associated samples should be qualified as unusable "R", due to interference. Non-detected volatile organic target compounds do not require qualification unless the contamination is so high that it interferes with the analyses of non-detected compounds.

YES NO N/A

- 7.3 Are there field/rinse/equipment blanks associated with every sample?

☒ ☐ ☐

ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

8.0 GC/MS Apparatus and Materials

- 8.1 Did the lab use the proper gas chromatographic column(s) for analysis of volatiles by Method 8260B? Check raw data, instrument logs or contact the lab to determine what type of column(s) was (were) used.

☒ ☐ ☐

NOTE: For the analysis of volatiles, the method requires the use of 60 m. x 0.75 mm capillary column, coated with VOCOL(Supelco) or equivalent column. (see SW-846, page 8260B-7, section 4.9.2)

ACTION: If the specified column, or equivalent, was not used, document the effects in the Data Assessment. Use professional judgement to determine the acceptability of the data.

9.0 GC/MS Instrument Performance Check (CLP Form V Equivalent)

- 9.1 Are the GC/MS Instrument Performance Check forms present for Bromofluorobenzene (BFB), and do these forms list the associated samples with date/time analyzed?

☒ ☐ ☐

- 9.2 Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the BFB provided for each twelve hour shift?

☒ ☐ ☐

- 9.3 Has an instrument performance check solution (BFB)

YES NO N/A

been analyzed for every twelve hours of sample analysis per instrument? (see Table 4, SW-846, page 8260B-36)

☒ ☐ ☐

ACTION: List date, time, instrument ID, and sample analyses for which no associated GC/MS GC/MS tuning data are available.

ACTION: If the laboratory/project officer cannot provide missing data, reject ("R") all data generated outside an acceptable twelve hour calibration interval.

ACTION: If mass assignment is in error, flag all associated sample data as unusable, "R".

9.4 Have the ion abundances been normalized to m/z 95?

☒ ☐ ☐

9.5 Have the ion abundance criteria been met for each instrument used?

☒ ☐ ☐

ACTION: List all data which do not meet ion abundance criteria (attach a separate sheet).

ACTION: If ion abundance criteria are not met, take action as specified in section 3.2.

9.6 Are there any transcription/calculation errors between mass lists and reported values? (Check at least two values but if errors are found, check more.)

☐ ☒ ☐

9.7 Have the appropriate number of significant figures (two) been reported?

☒ ☐ ☐

ACTION: If large errors exist, take action as specified in section 3.2.

9.8 Are the spectra of the mass calibration compounds acceptable.

☒ ☐ ☐

ACTION: Use professional judgement to determine whether associated data should be accepted, qualified, or rejected.

YES NO N/A

10.0 Target Analytes (CLP Form I Equivalent)

10.1 Are the Organic Analysis reporting forms present with required header information on each page, for each of the following:

- | | | | |
|--|-------------------------------------|-----|-----|
| a. Samples and/or fractions as appropriate | <input checked="" type="checkbox"/> | ___ | ___ |
| b. Matrix spikes and matrix spike duplicates | <input type="checkbox"/> | ___ | ___ |
| c. Blanks | <input checked="" type="checkbox"/> | ___ | ___ |
| d. Laboratory Control Samples | <input checked="" type="checkbox"/> | ___ | ___ |

10.2 Are the reconstructed Ion Chromatograms, mass spectra for the identified compounds, and the data system printouts (Quant Reports) included in the sample package for each of the following?

- | | | | |
|---|-------------------------------------|-----|-------------------------------------|
| a. Samples and/or fractions as appropriate | <input checked="" type="checkbox"/> | ___ | ___ |
| b. Matrix spikes and matrix spike duplicates
(Mass spectra not required) | <input type="checkbox"/> | ___ | <input checked="" type="checkbox"/> |
| c. Blanks | <input checked="" type="checkbox"/> | ___ | ___ |
| d. Laboratory Control Samples | <input checked="" type="checkbox"/> | ___ | ___ |

ACTION: If any data are missing, take action specified in 3.2 above.

10.3 Is chromatographic performance acceptable with respect to:

- | | | | |
|---------------------|-------------------------------------|-----|-----|
| Baseline stability? | <input checked="" type="checkbox"/> | ___ | ___ |
|---------------------|-------------------------------------|-----|-----|

YES NO N/A

Resolution?

☒ ☐ ☐

Peak shape?

☒ ☐ ☐

Full-scale graph (attenuation)?

☒ ☐ ☐

Other: _____

ACTION: Use professional judgement to determine the acceptability of the data.

10.4 Are the lab-generated standard mass spectra of identified volatile compounds present for each sample? ☒ ☐ ☐

ACTION: If any mass spectra are missing, take action specified in 3.2 above. If the lab does not generate their own standard spectra, make a note in the Data Assessment. If spectra are missing, contact the lab for missing spectra.

10.5 Is the RRT of each reported compound within 0.06 RRT units of the standard RRT in the continuing calibration? ☒ ☐ ☐

10.6 Are all ions present in the standard mass spectrum at a relative intensity greater than 10% (of the most abundant ion) also present in the sample mass spectrum? ☒ ☐ ☐

10.7 Do the relative intensities of the characteristic ions in the sample agree within $\pm 30\%$ of the corresponding relative intensities in the reference spectrum? ☒ ☐ ☐

ACTION: Use professional judgement to determine acceptability of data. If it is determined that incorrect identifications were made, all such data should be rejected ("R"), flagged ("N") - Presumptive evidence of the presence of the compound) or changed to non detected ("U") at the calculated detection limit. In order to be

YES NO N/A

positively identified, the data must comply with the criteria listed in 9.6, 9.7, and 9.8.

ACTION: When sample carry-over is a possibility, professional judgement should be used to determine if instrument cross-contamination has affected any positive compound identification.

11.0 Tentatively Identified Compounds (TIC) (CLP Form I/TIC Equivalent)

11.1 If Tentatively Identified Compound were required for this project, are all Tentatively Identified Compound reporting forms present; and do listed TICs include scan number or retention time, estimated concentration and a qualifier? ☒ ☐ ☐

NOTE: Add "N" qualifier to all TICs which have CAS number, if missing.

NOTE: Have the project officer/appropriate official check the project plan to determine if lab was required to identify non-target analytes (SW-846, page 8260B-23, Sect. 7.6.2).

11.2 Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following:

- a. Samples and/or fractions as appropriate ☒ ☐ ☐
- b. Blanks ☒ ☐ ☐

ACTION: If any TIC data are missing, take action specified in 3.2 above.

ACTION: Add "JN" qualifier only to analytes identified by a CAS#.

NOTE: If TICs are present in the associated blanks take action as specified in section 3.2 above.

YES NO N/A

11.3 Are any priority pollutants listed as TIC compounds (i.e., an BNA compound listed as a VOA TIC)? ☐ ☐ ☒

ACTION: 1. Flag with "R" any target compound listed as a TIC.

2. Make sure all rejected compounds are properly reported if they are target compounds.

11.4 Are all ions present in the reference mass spectrum with a relative intensity greater than 10% (of the most abundant ion) also present in the sample mass spectrum? ☐ ☐ ☒

11.5 Do TIC and "best match" standard relative ion intensities agree within $\pm 20\%$? ☐ ☐ ☒

ACTION: Use professional judgement to determine acceptability of TIC identifications. If it is determined that an incorrect identification was made, change the identification to "unknown" or to some less specific identification (example: "C3 substituted benzene") as appropriate. Also, when a compound is not found in any blank, but is a suspected artifact of a common laboratory contaminant, the result should be qualified as unusable, "R". (Common lab contaminants: CO₂ (M/E 44), Siloxanes (M/E 73), Hexane, Aldol Condensation Products, Solvent Preservatives, and related byproducts).

12.0 Compound Quantitation and Reported Detection Limits

12.1 Are there any transcription/calculation errors in organic analysis reporting form results? Check at least two positive values. Verify that the correct internal standard, quantitation ion, and average initial RRF/CF were used to calculate organic analysis reporting form result. Were any errors found? ☐ ☒ ☐

NOTE: Structural isomers with similar mass spectra, but insufficient GC resolution (i.e. percent valley between the two peaks > 25%) should be

YES NO N/A

reported as isomeric pairs. The reviewer should check the raw data to ensure that all such isomers were included in the quantitation (i.e., add the areas of the two coeluting peaks to calculate the total concentration).

12.2 Are the method CRQL's adjusted to reflect sample dilutions and, for soils, sample moisture?

☒ ☐ ☐

ACTION: If errors are large, take action as specified in section 3.2 above.

ACTION: When a sample is analyzed at more than one dilution, the lowest detection limits are used (unless a QC accedence dictates the use of the higher detection limit from the diluted sample data). Replace concentrations that exceed the calibration range in the original analysis by crossing out the "E" and it's associated value on the original reporting form (if present) and substituting the data from the analysis of the diluted sample. Specify which organic analysis reporting form is to be used, then draw a red "X" across the entire page of all reporting forms that should not be used, including any in the summary package.

13.0 Standards Data (GC/MS)

13.1 Are the Reconstructed Ion Chromatograms, and data system printouts (Quant Reports) present for initial and continuing calibration?

☒ ☐ ☐

ACTION: If any calibration standard data are missing, take action specified in section 3.2 above.

14.0 GC/MS Initial Calibration (CLP Form VI Equivalent)

YES NO N/A

14.1 Are the Initial Calibration reporting forms present and complete for the volatile fraction? *11*

ACTION: If any calibration forms or standard raw data are missing, take action specified in section 3.2 above.

ACTION: If the percent relative standard deviation (% RSD) is > 20%, (8000C-39) qualify positive results for that analyte "J". When % RSD > 90%,. Qualify all positive results for that analyte "J" and all non-detects results for that analyte "R".

14.2 Are all average RRFs > 0.050? *11*

NOTE: (Method Requirement) For SPCC compounds, the individual RRF values must be \geq the values in the following list. If individual RRF values reported are below the listed values document in the Data Assessment.

Chloromethane	0.10
1,1-Dichloroethane	0.10
Bromoform	0.10
Chlorobenzene	0.30
1,1,2,2-Tetrachloroethane	0.30

ACTION: Circle all outliers with red pencil.

ACTION: For any target analyte with average RRF < 0.05, or for the requirements for the 5 compounds in 14.2 above, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R".

14.3 Are response factors stable over the concentration range of the calibration. *11*

NOTE: (Method Requirement) For the following CCC compounds, the %RSD values must be \leq 30.0%. If %RSD values reported are > 30.0% document in the Data Assessment.

YES NO N/A

1,1-Dichloroethene
Chloroform
1,2-Dichloropropane
Toluene
Ethylbenzene
Vinyl chloride

ACTION: Circle all outliers with a red pencil.

ACTION: If the % RSD is > 20.0%, or > 30% for the 6 compounds in 14.3 above, qualify positive results for that analyte "J" and non-detects using professional judgement. When RSD > 90%, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R".

NOTE: The above data qualification action applies regardless of method requirements.

NOTE: Analytes previously qualified "U" due to blank contamination are still considered as "hits" when qualifying for calibration criteria.

14.4 Was the % RSD determined using RRF or CF? 11 — —

If no, what method was used to determine the linearity of the initial calibration? Document any effects to the case in the Data Assessment.

14.5 Are there any transcription/calculation errors in the reporting of RRF or % RSD? (Check at least two values but if errors are found, check more.) 11 — —

ACTION: Circle errors with a red pencil.

ACTION: If errors are large, take action as specified in section 3.2 above.

15.0 GC/MS Calibration Verification (CLP Form VII Equivalent)

YES NO N/A

15.1 Are the Calibration Verification reporting forms present and complete for all compounds of interest? 11 — —

15.2 Has a calibration verification standard been analyzed for every twelve hours of sample analysis per instrument? 11 — —

ACTION: List below all sample analyses that were not within twelve hours of a calibration verification analysis for each instrument used.

ACTION: If any forms are missing or no calibration verification standard has been analyzed twelve hours prior to sample analysis, take action as specified in section 3.2 above. If calibration verification data are not available, flag all associated sample data as unusable ("R").

15.3 Was the % D determined from the calibration verification determined using RRF or CF? 11 — —

If no, what method was used to determine the calibration verification? Document any effects to the case in the Data Assessment.

15.4 Do any volatile compounds have a % D (difference or drift) between the initial and continuing RRF or CF which exceeds 20% (SW-846, page 8260B-19, section 7.4.5.2). 11 — —

NOTE: (Method Requirement) For the following CCC compounds, the %D values must be $\leq 20.0\%$. If %D values reported are $> 20.0\%$ document in the Data Assessment.

1,1-Dichloroethene
Chloroform
1,2-Dichloropropane
Toluene
Ethylbenzene
Vinyl chloride

YES NO N/A

ACTION: Circle all outliers with a red pencil.

ACTION: Qualify both positive results and non-detects for the outlier compound(s) as estimated, "J". When %D is above 90%, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R".

NOTE: The above data qualification action applies regardless of method requirements.

15.5 Do any volatile compounds have a RRF < 0.05? ☐ ☒ ☐

NOTE: (Method Requirement) For SPCC compounds, the individual RRF values must be \geq the values in the following list for each calibration verification. If average RRF values reported are below the listed values document in the data assessment.

Chloromethane	0.10
1,1-Dichloroethane	0.10
Bromoform	0.10
Chlorobenzene	0.30
1,1,2,2-Tetrachloroethane	0.30

ACTION: Circle all outliers with a red pencil.

ACTION: If RRF < 0.05, or < the requirements for the 5 compounds in section 15.5 above, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R".

NOTE: The above data qualification action applies regardless of method requirements.

16.0 Internal Standards (CLP Form VIII Equivalent)

16.1 Are the internal standard (IS) areas on the internal standard reporting forms of every sample and blank within the upper and lower limits (-50% to + 100%) for each initial mid-point calibration (SW-846, 8260B-20, Sect. 7.4.7)? ☒ ☐ ☐

YES NO N/A

ACTION: If errors are large or information is missing, take action as specified in section 3.2 above.

ACTION: List each outlying internal standard below.

Sample ID	IS #	Area Lower Limit	Area Upper Limit
-----------	------	------------------	------------------

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

(Attach additional sheets if necessary.)

- ACTION:
1. If the internal standard area count is outside the upper or lower limit, flag with "J" all positive results quantitated with this internal standard.
 2. Do not qualify non-detects when the associated IS are counts area > + 100%.
 3. If the IS area is below the lower limit (< - 50%), qualify all associated non-detects (U-values) "J".
 4. If extremely low area counts are reported (< - 25%) or if performance exhibits a major abrupt drop off, flag all associated non-detects as unusable "R" and positive results as estimated "J".

16.2 Are the retention times of all internal standards within 30 seconds of the associated initial mid-point calibration standard (SW-846, 8260B-20, Sect. 7.4.6)? 1 _____

ACTION: Professional judgement should be used to qualify data if the retention times differ by more than 30 seconds.

YES NO N/A

17.0 Field Duplicates

17.1 Were any field duplicates submitted for
volatile analysis?

11 /

ACTION: Compare the reported results for field duplicates and
calculate the relative percent difference.

ACTION: Any gross variation between field duplicate
results must be addressed in the Data Assessment.
However, if large differences exist, take action
specified in section 3.2 above.

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/21/14
II.	GC/MS Instrument performance check	A	Not reviewed for Cat A review.
III.	Initial calibration	A	Not reviewed for Cat A review. \approx RSD $\leq 20\%$ \checkmark
IV.	Continuing calibration/ICV	SW	Not reviewed for Cat A review. $CV \leq 20\%$ $10\% \leq 30\%$
V.	Blanks	A	
VI.	Surrogate spikes	SW	
VII.	Matrix spike/Matrix spike duplicates	SW	
VIII.	Laboratory control samples	A	LCS \checkmark
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	SW	
XI.	Target compound identification	A	Not reviewed for Cat A review.
XII.	Compound quantitation/RL/LOQ/LODs	SW	Not reviewed for Cat A review. $MDL < Results < RL = JAGS/A$
XIII.	Tentatively identified compounds (TICs)	N	Not reviewed for Cat A review.
XIV.	System performance	A	Not reviewed for Cat A review.
XV.	Overall assessment of data	A	
XVI.	Field duplicates	SW	$D = 9, 10$
XVII.	Field blanks	SW	$FB = 31$

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

Soil + water (1)

1	CC-C-048-0-2 (10x)	11	CC-C-051-0-2 ** (10x)	21	LT-G-027-2-4 **	31	FB028 \checkmark
2	CC-C-048-4-6 (10x)	12	CC-C-051-2-4 (10x)	22	LT-G-027-8-10	32	CC-C-048-4-6MS
3	CC-C-048-8-10 **	13	CC-C-051-8-10 (10x)	23	LT-C-053-0-2 (10x)	33	CC-C-048-4-6MSD
4	CC-C-049-2-2	14	CC-C-052-0-2 ** (10x)	24	LT-C-053-4-6	34	LT-C-054-2-4MS
5	CC-C-049-2-4 (10x)	15	CC-C-052-2-4 (10x)	25	LT-C-053-6-8	35	LT-C-054-2-4MSD
6	CC-C-049-8-10	16	CC-C-052-8-10	26	LT-C-054-0-2 (10x)	36	1 MB 480-167618/1-A
7	CC-C-050-0-2	17	LT-G-026-0-2 (10x)	27	LT-C-054-2-4	37	-167620/1-A
8	CC-C-050-2-4	18	LT-G-026-4-6	28	LT-C-057-0-2	38	-167535/1-A
9	CC-C-050-8-10 \checkmark	19	LT-G-026-6-8	29	LT-C-057-2-4	39	
10	DUP027 \checkmark	20	LT-G-027-0-2	30	LT-C-057-6-8	40	

(dil due to matrix)

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS SVOA

A. Phenol	T. 4-Chloroaniline	MM. 4-Chlorophenyl-phenyl ether	FFF. Di-n-octylphthalate	YYY. 2,3,5-Trimethylnaphthalene
B. Bis (2-chloroethyl) ether	U. Hexachlorobutadiene	NN. Fluorene	GGG. Benzo(b)fluoranthene	ZZZ. Perylene
C. 2-Chlorophenol	V. 4-Chloro-3-methylphenol	OO. 4-Nitroaniline	HHH. Benzo(k)fluoranthene	AAAA. Dibenzothiophene
D. 1,3-Dichlorobenzene	W. 2-Methylnaphthalene	PP. 4,6-Dinitro-2-methylphenol	III. Benzo(a)pyrene	BBBB. Benzo(a)fluoranthene
E. 1,4-Dichlorobenzene	X. Hexachlorocyclopentadiene	QQ. N-Nitrosodiphenylamine	JJJ. Indeno(1,2,3-cd)pyrene	CCCC. Benzo(b)fluorene
F. 1,2-Dichlorobenzene	Y. 2,4,6-Trichlorophenol	RR. 4-Bromophenyl-phenylether	KKK. Dibenz(a,h)anthracene	DDDD. cis/trans-Decalin
G. 2-Methylphenol	Z. 2,4,5-Trichlorophenol	SS. Hexachlorobenzene	LLL. Benzo(g,h,i)perylene	EEEE. Biphenyl
H. 2,2'-Oxybis(1-chloropropane)	AA. 2-Chloronaphthalene	TT. Pentachlorophenol	MMM. Bis(2-Chloroisopropyl)ether	FFFF. Retene
I. 4-Methylphenol	BB. 2-Nitroaniline	UU. Phenanthrene	NNN. Aniline	GGGG. C30-Hopane
J. N-Nitroso-di-n-propylamine	CC. Dimethylphthalate	VV. Anthracene	OOO. N-Nitrosodimethylamine	HHHH. 1-Methylphenanthrene
K. Hexachloroethane	DD. Acenaphthylene	WW. Carbazole	PPP. Benzoic Acid	IIII. 1,4-Dioxane
L. Nitrobenzene	EE. 2,6-Dinitrotoluene	XX. Di-n-butylphthalate	QQQ. Benzyl alcohol	JJJJ. Acetophenone
M. Isophorone	FF. 3-Nitroaniline	YY. Fluoranthene	RRR. Pyridine	KKKK. Atrazine
N. 2-Nitrophenol	GG. Acenaphthene	ZZ. Pyrene	SSS. Benzidine	LLLL. Benzaldehyde
O. 2,4-Dimethylphenol	HH. 2,4-Dinitrophenol	AAA. Butylbenzylphthalate	TTT. 1-Methylnaphthalene	MMMM. Caprolactam
P. Bis(2-chloroethoxy)methane	II. 4-Nitrophenol	BBB. 3,3'-Dichlorobenzidine	UUU. Benzo(b)thiophene	NNNN.
Q. 2,4-Dichlorophenol	JJ. Dibenzofuran	CCC. Benzo(a)anthracene	VVV. Benzonaphthothiophene	OOOO.
R. 1,2,4-Trichlorobenzene	KK. 2,4-Dinitrotoluene	DDD. Chrysene	WWW. Benzo(e)pyrene	PPPP.
S. Naphthalene	LL. Diethylphthalate	EEE. Bis(2-ethylhexyl)phthalate	XXX. 2,6-Dimethylnaphthalene	QQQQ.

LDC #: 31445 C2a

VALIDATION FINDINGS WORKSHEET

Page: 1 of 1

Continuing Calibration

Reviewer: JVG

2nd Reviewer: 9

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y/N) N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

Y (N) N/A Were percent differences (%D) $\leq 20\%$ and relative response factors (RRF) within the method criteria?

[illegible]

LDC #: 31445 C2a**VALIDATION FINDINGS WORKSHEET**
Field BlanksPage: 1 of 1
Reviewer: JVG
2nd Reviewer: OL**METHOD:** GC/MS BNA (EPA SW 846 Method 8270D)Y N N/A Were field blanks identified in this SDG?Y N N/A Were target compounds detected in the field blanks?Blank units: ug/L Associated sample units: ug/LSampling date: 2/21/14Field blank type: (circle one) Field Blank / Rinsate / Other: Associated Samples: All S (NB)

Compound	Blank ID		Sample Identification							
	<u>31</u>	<u>Action level</u>								
<u>XX</u>	<u>0.51</u>	<u><RL</u>								

Blank units: Associated sample units:

Sampling date:

Field blank type: (circle one) Field Blank / Rinsate / Other: Associated Samples:

Compound	Blank ID		Sample Identification							

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

Common contaminants such as the phthalates and TICs noted above that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

LDC #: 31445 C2a

VALIDATION FINDINGS WORKSHEET

Surrogate Recovery

Page: 1 of 1

Reviewer: JVG

2nd Reviewer: 02

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualification below for all questions answered "N". Not applicable questions are identified as "N/A".

Y/N/N/A Were percent recoveries (%R) for surrogates within QC limits?

Y N (N/A) If 2 or more base neutral or acid surrogates were outside QC limits, was a reanalysis performed to confirm %R?

Y	N	N/A

[illegible]

(NBZ) = Nitrobenzene-d5

(FBP) = 2-Fluorobiphenyl

(TPH) = Terphenyl-d14

(PHL) = Phenol-d5

(2FP)= 2-Fluorophenol

(TBP) = 2,4,6-Tribromophenol

(2CP) = 2-Chlorophenol-d4

(DCB) = 1,2-Dichlorobenzene-d4

LDC #: 31445 C2a

VALIDATION FINDINGS WORKSHEET

Matrix Spike/Matrix Spike Duplicates

Page: 1 of 1

Reviewer: JVG

2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

YN N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.

Y/N/N/A Was a MS/MSD analyzed every 20 samples of each matrix?

Y(N) N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

[illegible]

LDC #: 31445 C2a

VALIDATION FINDINGS WORKSHEET

Page: 1 of 1

Reviewer: JVG

2nd Reviewer: a

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y/N/N/A Were all internal standard area counts within -50 to +100 of the associated calibration standard?

Y/N N/A Were the retention times of the internal standards within +/- 30 seconds of the retention times of the associated calibration standard?

[illegible]

* QC limits are advisory

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

CRY = qual BBB- FFF

PRY = qual GGG - LLL

VALIDATION FINDINGS WORKSHEET **Field Duplicates**

Method: SVOA (EPA SW 846 Method 8270D)

Analyte	Concentration (µg/Kg)		RPD (≤100%)	Diff.	Diff Limits (2xRL)	Qualifiers (Parents Only)
	9	10				
W	4.6	5.3		0.7	(≤400)	
GG	5.1	9.9		4.8	(≤400)	
DD	200U	7.7		192.3	(≤400)	
VV	13	23		10	(≤400)	
CCC	54	72		18	(≤400)	
III	54	72		18	(≤400)	
GGG	63	81		18	(≤400)	
LLL	45	58		13	(≤400)	
HHH	45	51		6	(≤400)	
VVV	200U	8.5		191.5	(≤400)	
EEE	980	200U		780	(≤400)	
DDD	62	82		20	(≤400)	
JJ	200U	5.2		194.8	(≤400)	
YY	73	110		37	(≤400)	
NN	200U	13		187	(≤400)	
JJJ	46	55		9	(≤400)	
S	11	14		3	(≤400)	
UU	48	85		37	(≤400)	
ZZ	140	190		50	(≤400)	

LDC #: 31445C2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 2
Reviewer: JVG
2nd Reviewer: ae

METHOD: GC/MS SVOA (EPA SW 846 Method 8270D)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$$RRF = (A_x)(C_{is}) / (A_{is})(C_x)$$

average RRF = sum of the RRFs/number of standards


$$\%RSD = 100 * (S/X)$$

 A_x = Area of Compound C_x = Concentration of compound, S = Standard deviation of the RRFs, A_{is} = Area of associated internal standard C_{is} = Concentration of internal standard X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (IS)	Reported RRF (RRF50 std)	Recalculated RRF (RRF50 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL HP5973X	2/5/2014	Phenol (IS1)	1.8505	1.8505	1.8320	1.8320	4.5	4.5
			Nitrobenzene (IS2)	0.3624	0.3624	0.3576	0.3576	5.2	5.2
			2,4,5-TCP (IS3)	0.3789	0.3789	0.3765	0.3765	2.2	2.2
			Hexachlorobenzene (IS4)	0.2314	0.2314	0.2332	0.2332	5.4	5.4
			Bis(2-ethex)phthalate (IS5)	0.8717	0.8717	0.8967	0.8967	3.0	3.0
			Benzo(a)pyrene (IS6)	1.0636	1.0636	1.0592	1.0591	0.5	0.5

LDC #: 31445C2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 2 of 2
Reviewer: JVG
2nd Reviewer: 

METHOD: GC/MS SVOA (EPA SW 846 Method 8270D)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$$RRF = (A_x)(C_{is}) / (A_{is})(C_x)$$

average RRF = sum of the RRFs/number of standards

$$\%RSD = 100 * (S/X)$$

 A_x = Area of Compound C_x = Concentration of compound, S = Standard deviation of the RRFs, A_{is} = Area of associated internal standard C_{is} = Concentration of internal standard X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (IS)	Reported RRF (RRF50 std)	Recalculated RRF (RRF50 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL HP5973U	2/14/2014	Phenol (IS1)	1.8346	1.8346	1.7952	1.7952	9.8	9.8
			Nitrobenzene (IS2)	0.3508	0.3508	0.3321	0.3321	11.0	11.2
			2,4,5-TCP (IS3)	0.3817	0.3817	0.3760	0.3760	6.1	6.1
			4,6-Dinitro-2-mp (IS4)	0.1427	0.1427	0.1282	0.1282	12.0	12.2
			Bis(2-ethex)phthalate (IS5)	0.9056	0.9056	0.8390	0.8390	9.0	9.0
			Benzo(a)pyrene (IS6)	1.1156	1.1156	1.0627	1.0627	9.3	9.3

LDC #: 31445 C2a

VALIDATION FINDINGS WORKSHEET **Surrogate Results Verification**

Page: 1 of 1Reviewer: JVG2nd reviewer: GA**METHOD:** GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate SpikedSample ID: 3

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5	50.0	43.2	86	86	0
2-Fluorobiphenyl		42.5	85	85	
Terphenyl-d14		58.4	117	117	
Phenol-d5		39.5	79	79	
2-Fluorophenol		36.3	73	73	
2,4,6-Tribromophenol		46.6	93	93	
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

VALIDATION FINDINGS WORKSHEET **Matrix Spike/Matrix Spike Duplicates Results Verification**

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

$$\% \text{ Recovery} = 100 * (\text{SSC} - \text{SC}) / \text{SA}$$

Where: SSC = Spiked sample concentration
 SA = Spike added

SC = Sample concentration

$$\text{RPD} = | \text{MSC} - \text{MSD} | * 2 / (\text{MSC} + \text{MSD})$$

MSC = Matrix spike concentration

MSDC = Matrix spike duplicate concentration

MS/MSD samples: 32/33

Compound	Spike Added (ug/kg)		Sample Concentration (ug/kg)	Spiked Sample Concentration (ug/kg)		Matrix Spike		Matrix Spike Duplicate		MS/MSD	
	MS	MSD	-----	MS	MSD	Percent Recovery		Percent Recovery		RPD	
						Reported	Recalc	Reported	Recalc	Reported	Recalc
Phenol	3570	3620	0	2820	3220	79	79	116	89	28	13
N-Nitroso-di-n-propylamine				3490	3670	98	98	101	101	5	5
4-Chloro-3-methylphenol				3520	4000	99	99	110	110	13	13
Acenaphthene			120	3620	3910	98	98	104	104	7	7
Pentachlorophenol	7140	7250	0	5110	4830	72	72	67	67	6	6
Pyrene	3570	3620	1700	7650	5890	167	167	116	116	28	26

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31445 C2a

VALIDATION FINDINGS WORKSHEET

Page: 1 of 1Laboratory Control Sample/Laboratory Control Sample Duplicates Results VerificationReviewer: JVG2nd Reviewer: CZ**METHOD:** GC/MS BNA (EPA SW 846 Method 8270D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = $100 * (SC/SA)$

Where: SSC = Spike concentration
SA = Spike added

RPD = $|LCSC - LCSDC| * 2 / (LCSC + LCSDC)$

LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: LCS 480 - 167618 / 2 - A

Compound	Spike Added (ug/kg)		Spike Concentration (ug/kg)		LCS		LCSD		LCS/LCSD	
					Percent Recovery		Percent Recovery		RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
Phenol	3280	NA	2640	NA	80	80				
N-Nitroso-di-n-propylamine	↓	↓	3210	↓	98	98				
4-Chloro-3-methylphenol			3500		100	100				
Acenaphthene	↓	↓	3170	↓	97	97				
Pentachlorophenol	6570	↓	6870	↓	105	105				
Pyrene	3280	↓	3770	↓	115	115				

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31445-C2a

VALIDATION FINDINGS WORKSHEET

Sample Calculation Verification

Page: 1 of 1

Reviewer: JVG

2nd reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Y	N	N/A
Y	N	N/A

Were all reported results recalculated and verified for all level IV samples?

Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

$$\text{Concentration} = \frac{(A_v)(I_s)(V_i)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

$$I_s = \text{Amount of internal standard added in nanograms (ng)}$$

V_o = Volume or weight of sample extract in milliliters (ml) or grams (g).

V_1 = Volume of extract injected in microliters (ul)

V_t = Volume of the concentrated extract in microliters (ul)

Df = Dilution Factor.

%S = Percent solids, applicable to soil and solid matrices only.

2.0 = Factor of 2 to account for GPC cleanup

Example:

Sample I.D. 14, Benzo (a) pyrene

$$\text{Conc.} = \frac{(25338) \times (40) \times (1 \text{ ml}) \times (10) \times (1000)}{(14172) \times (1.0592) \times (30.309) \times (0.892) \times ()}$$

$$= 2498.1$$

$\approx 2500 \text{ ng/kg}$

[illegible]

YES NO N/A

- E - The concentration of this analyte exceeds the calibration range of the instrument.
- A - Indicates a Tentatively Identified Compound (TIC) is a suspected adol-condensation product.
- X,Y,Z- Laboratory defined flags. The data reviewer must change these qualifiers during validation so that the data user may understand their impact on the data.

I. PACKAGE COMPLETENESS AND DELIVERABLES

CASE NUMBER/SDG# : 31445C/480-55157 LAB: Test America Buffalo

SITE NAME: Glen Island

1.0 Data Completeness and Deliverables

- 1.1 Has all data been submitted in CLP deliverable format? IV

ACTION: If not, note the effect on review of the data in the data assessment narrative.

2.0 Cover Letter, SDG Narrative

- 2.1 Is a laboratory narrative or cover letter present? IV

- 2.2 Are case number and SDG number(s) contained in the narrative or cover letter? IV

YES NO N/A

II.

SEMIVOLATILE ANALYSES

1.0 Traffic Reports and Laboratory Narrative

1.1 Are the Traffic Report Forms present for all samples?

14 — —

ACTION: If no, contact lab for replacement of missing or illegible copies.

1.2 Do the Traffic Reports or Lab Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special notations affecting the quality of the data?

— 14 —

ACTION: If any sample analyzed as a soil, other than TCLP, contains 50%-90% water, all data should be flagged as estimated ("J"). If a soil sample, other than TCLP, contains more than 90% water, all non-detects data are qualified as unusable (R), and detects are flagged "J".

ACTION: If samples were not iced, or if the ice was melted upon arrival at the laboratory and the cooler temperature was elevated (10°C), flag all positive results "J" and all non-detects "UJ".

2.0 Holding Times

2.1 Have any semivolatile technical holding times, determined from date of collection to date of extraction, been exceeded?

— 14 —

Continuous extraction of water samples for semivolatile analysis must be started within 7 days of the date of collection. Soil/sediment samples must be extracted within 14 days of collection. Extracts must be analyzed within

YES NO N/A

40 days of the date of extraction.

Table of Holding Time Violations

(See Traffic Report)

Sample ID	Sample Matrix	Date Sampled	Date Lab Received	Date Extracted	Date Analyzed

ACTION: If technical holding times are exceeded, flag all positive results as estimated ("J") and sample quantitation limits as estimated ("UJ"), and document in the narrative that holding times were exceeded.

If analyses were done more than 14 days beyond holding time, either on the first analysis or upon re analysis, the reviewer must use professional judgement to determine the reliability of the data and the effects of additional storage on the sample results. At a minimum, all results should be qualified "J", but the reviewer may determine that non-detect data are unusable ("R"). If holding times are exceeded by more than 28 days, all non-detect data are unusable (R).

YES NO N/A

3.0 Surrogate Recovery (Form II/Equivalent)

3.1 Have the semi volatile surrogate recoveries been listed on CLP Surrogate Recovery forms (Form II) for each of the following matrices:

a. Low Water

☒ ☐ ☐

b. Low/Med Soil

☒ ☐ ☐

3.2 If so, are all the samples listed on the appropriate Surrogate Recovery Summary forms for each matrix:

a. Low Water

☒ ☐ ☐

b. Low/Med Soil

☒ ☐ ☐

ACTION: If CLP deliverables are unavailable, document the effect(s) in data assessments. In some cases the lab may have to be contacted to obtain the data necessary to complete the validation.

3.3 Were outliers marked correctly with an asterisk? ☒ ☐ ☐

ACTION: Circle all outliers in red.

3.4 Were two or more base neutral OR acid surrogate recoveries out of specification for any sample or method blank (Reviewer should use lab in house recovery limits. Use surrogate recovery limits from USEPA National Functional Guidelines January 2005 page 130, if in house limits are not available. See Method 8000B-43 or 8000C-24).

☐ ☒ ☐

Note: Examine lab in house limits for reasonableness.

If yes, were samples re-analyzed?

☐ ☐ ☒

YES NO N/A

Were method blanks re-analyzed?

☐ ☐ ☒

ACTION: If all surrogate recoveries are > 10% but two within the base-neutral or acid fraction do not meet method specifications, for the affected fraction only (i.e. either base-neutral or acid compounds):

1. Flag all positive results as estimated ("J").
2. Flag all non-detects as estimated detection limits ("UJ") when recoveries are less than the lower acceptance limit.
3. If recoveries are greater than the upper acceptance limit, do not qualify non-detects.

If any base-neutral or acid surrogate has a recovery of < 10%:

1. Positive results for the fraction with < 10% surrogate recovery are qualified with "J".
2. Non-detects for that fraction should be qualified as unusable (R) .

NOTE: Professional judgement should be used to qualify data that have method blank surrogate recoveries out of specification in both original and reanalyses. Check the internal standard areas.

3.5 Are there any transcription/calculation errors between raw data and Form II?

☐ ☒ ☐

ACTION: If large errors exist, call lab for explanation/resubmittal, make any necessary corrections and document

YES NO N/A

effect in data assessments.

4.0 Matrix Spikes (Form III/Equivalent)

- 4.1 Have the semivolatile Matrix Spike and Matrix Spike Duplicate/or duplicate unspiked Sample recoveries been listed on the Recovery Form (Form III)?

☒ ☐ ☐

NOTE: Method 3500B/page 4 states the spiking compounds:

Base/neutrals

1,2,4-Trichlorobenzene
Acenaphthene
2,4-Dinitrotoluene
Pyrene
N-Nitroso-di-n-propylamine
1,4-Dichlorobenzene

Acids

Pentachlorophenol
Phenol
2-Chlorophenol
4-Chloro-3-methylphenol
4-Nitrophenol

Note: Some projects may require the spiking of specific compounds of interest.

Note: See Method 8270D-sec 8.4.2 for deciding on whether to prepare and analyze duplicate samples or a matrix spike/matrix spike duplicate. If samples are expected to contain target analytes, then laboratory may use one matrix spike and a duplicate analysis of an unspiked field sample. If samples are not expected to contain target analytes, laboratory should use a matrix spike and matrix spike duplicate pair.

- 4.2 Were matrix spikes analyzed at the required frequency for each of the following matrices:

- a. Low Water
b. Low Solid
c. Med Solid

☐ ☐ ☒
☒ ☐ ☐
☐ ☐ ☒

YES NO N/A

ACTION: If any matrix spike data are missing, take the action specified in 3.2 above. It may be necessary to contact the lab to obtain the required data.

NOTE: If the data has not been reported on CLP equivalent form, then the laboratory must provide the information necessary to evaluate the spike recoveries in the MS and MSD. The required data which should have been provided by the lab include the analytes and concentrations used for spiking, background concentrations of the spiked analytes (i.e., concentrations in unspiked sample), methods and equations used to calculate the QC acceptance criteria for the spiked analytes, percent recovery data for all spiked analytes.

The data reviewer must verify that all reported equations and percent recoveries are correct before proceeding to the next section.

4.3 Were matrix spikes performed at concentration equal to 100ug/L for acid compounds, and 200ug/l for base compounds (Method 3500B-4), or those specified in project plan.

1 / 1 — —

4.4 How many semivolatile spike recoveries are outside Laboratory in house MS/MSD recovery limits (use recovery limits values in Method 8270D-43&44 Table 6 if in house values not available).

Water

Solids

NA
— out of —

(33/33) 2 out of 26

YES NO N/A

4.5 How many RPD's for matrix spike and matrix spike duplicate recoveries are outside QC limits?

Water

Solids

14 out of

1 out of 12

ACTION: Circle all outliers with red pencil.

ACTION: No action is taken on MS/MSD data alone.
However, using informed professional judgement, the data reviewer may use the matrix spike and matrix spike duplicate results in conjunction with other QC criteria to determine the need for some qualification of the data.

4.6 Was a Laboratory Control Sample (LCS) analyzed with each analytical batch? 11

NOTE: When the results of the matrix spike analysis indicate a potential problem due to the sample matrix itself, the LCS results are used to verify that the laboratory can perform the analysis in a clean matrix.

5.0 Blanks (Form IV/Equivalent)

5.1 Is the Method Blank Summary (Form IV) present? 11

5.2 Frequency of Analysis:

Has a reagent/method blank analysis been reported per 20 samples of similar matrix, or concentration level, and for each extraction batch?

11

5.3 Has a method blank been analyzed either after

YES NO N/A

the calibration standard or at any other time
during the analytical shift for each GC/MS system
used ?

☒ ☐ ☐

ACTION: If any method blank data are missing, call
lab for explanation/resubmittal. If not
available, use professional judgement to
determine if the associated sample data
should be qualified.

5.4 Chromatography: review the blank raw data -
chromatograms (RICs), quant reports or data system
printouts and spectra.

Is the chromatographic performance (baseline
stability) for each instrument acceptable for
the semivolatiles?

☒ ☐ ☐

ACTION: Use professional judgement to determine the
effect on the data.

6.0 Contamination

NOTE: "Water blanks", "drill blanks" and "distilled
water blanks" are validated like any other
sample and are not used to qualify the data.
Do not confuse them with the other QC blanks
discussed below.

6.1 Do any method/instrument/reagent blanks have
positive results for target analytes and/or TICs?
When applied as described below, the contaminant
concentration in these blanks are multiplied by
the sample dilution factor and corrected for
percent moisture where necessary.

☐ ☒ ☐

6.2 Do any field/rinse/ blanks have positive results
for target analytes and/or TICs (if required,
see section 10 below)?

☒ ☐ ☐

YES NO N/A

ACTION: Prepare a list of the samples associated with each of the contaminated blanks.
(Attach a separate sheet.)

NOTE: All field blank results associated to a particular group of samples (may exceed one per case) must be used to qualify data. Blanks may not be qualified because of contamination in another blank. Field Blanks must be qualified for outlying surrogates, poor spectra, instrument performance or calibration QC problems.

ACTION: Follow the directions in the table below to qualify sample results due to contamination. Use the largest value from all the associated blanks. If gross contamination exists, all data in the associated samples should be qualified as unusable (R).

YES NO N/A

Blank Action for Semivolatile Analyses

Blank Type	Blank Result	Sample Result	Action for Samples
Method, Field	Detects	Not detected	No qualification required
	< CRQL *	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification required
	= CRQL *	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification required
	> CRQL *	< CRQL	Report CRQL value with a U
		≥ CRQL and < blank contamination	Report concentration of sample with a U
		≥ CRQL and ≥ blank contamination	No qualification required

NOTE: Analytes qualified "U" for blank contamination are still considered as "hits" when qualifying for calibration criteria.

NOTE: If the laboratory did not report TIC analyses, check the project plans to verify whether or not it was required.

6.3 Are there field/rinse/equipment blanks associated with every sample? ☒ ☐ ☐

ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

6.4 Was a instrument blank analyzed after each sample/dilution which contained a target compound

YES NO N/A

that exceeded the initial calibration range.

11 — /

6.5 Does the instrument blank have positive results
for target analytes and/or TICs?

— 11 /

Note: Use professional judgement to determine
if carryover occurred and qualify analytes
accordingly.

7.0 GC/MS Apparatus and Materials

7.1 Did the lab use the proper gas chromatographic
column for analysis of semivolatiles by Method
8270D? Check raw data, instrument logs or contact
the lab to determine what type of column was used.
The method requires the use of 30 m x 0.25 mm ID
(or 0.32 mm ID), silicone-coated, fused silica,
capillary column.

11 — —

ACTION: If the specified column, or equivalent, was
not used, document the effects in the data
assessment. Use professional judgement to
determine the acceptability of the data.

8.0 GC/MS Instrument Performance Check (Form V/Equivalent)

8.1 Are the GC/MS Instrument Performance Check Forms
(Form V) present for decafluorotriphenylphosphine
(DFTPP)?

11 — —

NOTE: The performance solution should also contain 4,4-DDT,
pentachlorophenol, and benzidine to verify
injection port inertness and column performance.
The degradation of DDT to DDE and DDD must be
less than 20% total and the response of
pentachlorophenol and benzidine should be
within normal ranges for these compounds (based
upon lab experience) and show no peak degradation
or tailing before samples are analyzed. (see section 5.5

YES NO N/A

page 8270D-12).

8.2 Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the DFTPP provided for each twelve hour shift?

☒ — —

8.3 Has an instrument performance check solution been analyzed for every twelve hours of sample analysis per instrument?

☒ — —

ACTION: List date, time, instrument ID, and sample analyses for which no associated GC/MS tuning data are available.

DATE	TIME	INSTRUMENT	SAMPLE NUMBERS
------	------	------------	----------------

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

ACTION: If lab cannot provide missing data, reject ("R") all data generated outside an acceptable twelve hour calibration interval.

ACTION: If mass assignment is in error, flag all associated sample data as unusable (R).

8.4 Have the ion abundances been normalized to m/z 198?

☒ — —

8.5 Have the ion abundance criteria been met for each instrument used?

☒ — —

ACTION: List all data which do not meet ion abundance criteria (attach a separate sheet).

YES NO N/A

ACTION: If ion abundance criteria are not met, take
action specified in section 3.2

8.6 Are there any transcription/calculation errors
between mass lists and Form Vs? (Check at least
two values but if errors are found, check more.) ☐ ☒ ☐

8.7 Have the appropriate number of significant
figures (two) been reported? ☒ ☐ ☐

ACTION: If large errors exist, call lab for
explanation/resubmittal, make necessary
corrections and document effect in data
assessments.

8.8 Are the spectra of the mass calibration compound
acceptable? ☒ ☐ ☐

ACTION: Use professional judgement to determine
whether associated data should be accepted,
qualified, or rejected.

9.0 Target Analytes

9.1 Are the Organic Analysis Data Sheets (Form I)
present with required header information on each
page, for each of the following:

a. Samples and/or fractions as appropriate ☒ ☐ ☐

b. Matrix spikes and matrix spike duplicates ☒ ☐ ☐

c. Blanks ☒ ☐ ☐

9.2 Has any special cleanup, such as GPC, been
performed on all soil/sediment sample extracts
(see section 7.2, page 8270D-14)? ☐ ☒ ☐

YES NO N/A

ACTION: If data suggests that extract cleanup was not performed, use professional judgement. Make note in the data assessment narrative.

9.3 Are the Reconstructed Ion Chromatograms, mass spectra for the identified compounds, and the data system printouts (Quant Reports) included in the sample package for each of the following?

- | | | | |
|---|-------------------------------------|-----|-----|
| a. Samples and/or fractions as appropriate | <input checked="" type="checkbox"/> | ___ | ___ |
| b. Matrix spikes and matrix spike duplicates
(Mass spectra not required) | <input checked="" type="checkbox"/> | ___ | ___ |
| c. Blanks | <input checked="" type="checkbox"/> | ___ | ___ |

ACTION: If any data are missing, take action specified in 3.2 above.

9.4 Are the response factors shown in the Quant Report? ☐ ☒ ___

9.5 Is chromatographic performance acceptable with respect to:

- | | | | |
|---------------------------------|-------------------------------------|-----|-----|
| Baseline stability? | <input checked="" type="checkbox"/> | ___ | ___ |
| Resolution? | <input checked="" type="checkbox"/> | ___ | ___ |
| Peak shape? | <input checked="" type="checkbox"/> | ___ | ___ |
| Full-scale graph (attenuation)? | <input checked="" type="checkbox"/> | ___ | ___ |
| Other: _____ | <input type="checkbox"/> | ___ | ___ |

ACTION: Use professional judgement to determine the acceptability of the data.

9.6 Are the lab-generated standard mass spectra of identified semivolatile compounds present for

	YES	NO	N/A
each sample?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>ACTION: If any mass spectra are missing, take action specified in 3.2 above. If the lab does not generate their own standard spectra, make a note in the data assessment narrative. If spectra are missing, reject all positive data.</p>			
9.7 Is the RRT of each reported compound within 0.06 RRT units of the standard RRT in the continuing calibration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.8 Are all ions present in the standard mass spectrum at a relative intensity greater than 10% (of the most abundant ion) also present in the sample mass spectrum?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.9 Do the relative intensities of the characteristic ions in the sample agree within $\pm 30\%$ of the corresponding relative intensities in the reference spectrum?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>ACTION: Use professional judgement to determine acceptability of data. If it is determined that incorrect identifications were made, all such data should be rejected (R), flagged "N" (Presumptive evidence of the presence of the compound) or changed to not detected (U) at the calculated detection limit. In order to be positively identified, the data must comply with the criteria listed in 9.7, 9.8, and 9.9.</p>			
<p>ACTION: When sample carry-over is a possibility, professional judgement should be used to determine if instrument cross-contamination has affected any positive compound identification.</p>			

YES NO N/A

10.0 Tentatively Identified Compounds (TIC)

10.1 If Tentatively Identified Compounds were required for this project, are all Form Is, Part B present; and do listed TICs include scan number or retention time, estimated concentration and "JN" qualifier?

NOTE: Review sampling reports to determine if the lab was required to identify non target analytes (refer to section 7.6.2, page 8270D-21).

10.2 Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following:

- | | | | |
|--|-----------|-----------|-----------|
| a. Samples and/or fractions as appropriate | <u> </u> | <u> </u> | <u> </u> |
| b. Blanks | <u> </u> | <u> </u> | <u> </u> |

ACTION: If any TIC data are missing, take action specified in 3.2 above.

ACTION: Add "JN" qualifier only to analytes identified by CAS #.

10.3 Are any target compounds from one fraction listed as TIC compounds in another (e.g., an acid compound listed as a base neutral TIC)?

ACTION: i. Flag with "R" any target compound listed as a TIC.

ii. Make sure all rejected compounds are properly reported in the other fraction.

10.4 Are all ions present in the reference mass spectrum with a relative intensity greater than 10% (of the most abundant ion) also present in the

	YES	NO	N/A
sample mass spectrum?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10.5 Do TIC and "best match" standard relative ion intensities agree within $\pm 20\%$?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ACTION: Use professional judgement to determine acceptability of TIC identifications. If it is determined that an incorrect identification was made, change the identification to "unknown" or to some less specific identification (example: "C3 substituted benzene") as appropriate and remove "JN". Also, when a compound is not found in any blank, but is a suspected artifact of a common laboratory contaminant, the result should be qualified as unusable, "R."

11.0 Compound Quantitation and Reported Detection Limits

11.1 Are there any transcription/calculation errors in Form I results? Check at least two positive values. Verify that the correct internal standard, quantitation ion, and RRF were used to calculate Form I result. Were any errors found?

☐ ☒ ☐

NOTE: Structural isomers with similar mass spectra, but insufficient GC resolution (i.e. percent valley between the two peaks $> 25\%$) should be reported as isomeric pairs. The reviewer should check the raw data to ensure that all such isomers were included in the quantitation (i.e., add the areas of the two coeluting peaks to calculate the total concentration).

11.2 Are the method detection limits adjusted to reflect sample dilutions and, for soils, sample moisture?

☒ ☐ ☐

YES NO N/A

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and document effect in data assessments.

ACTION: When a sample is analyzed at more than one dilution, the lowest detection limits are used (unless a QC exceedance dictates the use of the higher detection limit from the diluted sample data). Replace concentrations that exceed the calibration range in the original analysis by crossing out the "E" and it's associated value on the original Form I (if present) and substituting the data from the analysis of the diluted sample. Specify which Form I is to be used, then draw a red "X" across the entire page of all Form I's that should not be used, including any in the summary package.

12.0 Standards Data (GC/MS)

12.1 Are the Reconstructed Ion Chromatograms, and data system printouts (Quant, Reports) present for initial and continuing calibration? ☒ ☐ ☐

ACTION: If any calibration standard data are missing, take action specified in 3.2 above.

13.0 GC/MS Initial Calibration (Form VI/Equivalent)

13.1 Is the Initial Calibration Form (Form VI/Equivalent) present and complete for the semivolatile fraction? ☒ ☐ ☐

ACTION: If any calibration forms or standard row data are missing, take action specified in 3.2 above.

13.2 Are all base neutral or acid RRFs > 0.050? ☒ ☐ ☐

YES NO N/A

Check the **average RRFs** of the four System Performance Check Compounds (SPCCs): N-nitroso-di-n-propylamine, hexachlorocyclopentadiene, 2,4-dinitrophenol, and 4-nitrophenol. These compounds must have **average RRFs** greater than or equal to 0.05 before running samples and should not show any peak tailing.

ACTION: Circle all outliers in red.

ACTION: For any target analyte with **average RRF** <0.05

1. "R" all non-detects;
2. "J" all positive results.

13.3 Are response factors for base neutral or acid target analytes stable over the concentration range of the calibration (% Relative standard deviation [%RSD] < 20.0%)?

☒ — —

NOTE: The % RSD for each individual Calibration Check Compound (CCC, Method 8270D-40 see Table 4) must be less than 30% before analysis can begin. If greater 30%, the lab must clean and recalibrate the instrument.

CALIBRATION CHECK COMPOUNDS

Base/Neutral Fraction	Acid Fraction
Acenaphthene	4-Chloro-3-methylphenol
1,4-Dichlorobenzene	2,4-Dichlorophenol
Hexachlorobutadiene	2-Nitrophenol
Diphenylamine	Phenol
Di-n-octyl phthalate	Pentachlorophenol
Fluoranthene	2,4,6-Trichlorophenol

YES NO N/A

Benzo(a)pyrene

ACTION: If the %RSD for any CCC >30% and no corrective action taken, then "J" qualify all positive hits and "UJ" qualify all non-detects.

ACTION: Circle all outliers in red.

ACTION: If the % RSD is $\geq 20.0\%$, qualify positive results for that analyte "J" and non-detects using professional judgement. When RSD > 90%, flag all non- detect results for that analyte "R," unusable. Alternatively, the lab should calculate first or second order regression fit of the calibration curve and select the fit which introduces the least amount of error.

NOTE: Analytes previously qualified "U" due to blank contamination are still considered as "hits" when qualifying for calibration criteria.

13.4 Did the laboratory calculate the calibration curve by the least squares regression fit?

☒ ☐ ☐

13.5 Are there any transcription/calculation errors in the reporting of average response factors (RRF) or % RSD? (Check at least two values but if errors are found, check more.)

☐ ☒ ☐

ACTION: Circle Errors in red.

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and note errors in data assessments.

13.5 Do the target compounds for this SDG include Pesticides?

☐ ☒ ☐

YES NO N/A

13.6 If the pesticide compounds include DDT, was the percent breakdown of DDT to DDD and DDE greater than 20%?

— 11 /

ACTION: If DDT percent breakdown exceeds 20%:

- i. Qualify all positive results for DDT with "J". If DDT was not detected, but DDD and DDE results are positive, qualify the quantitation limit for DDT as unusable, "R".
- ii. Qualify all positive results for DDD and DDE as presumptively present at an approximate concentration "JN".

14.0 GC/MS Calibration Verification (Form VII/Equivalent)

14.1 Are the Calibration Verification Forms (Form VII) present and complete for all compounds of interest?

11 — —

14.2 Has a calibration verification standard been analyzed for every twelve hours of sample analysis per instrument?

11 — —

ACTION: List below all sample analyses that were not within twelve hours of a calibration verification analysis for each instrument used.

ACTION: If any forms are missing or no calibration verification standard has been analyzed within twelve hours of every sample analysis,

YES NO N/A

call lab for explanation/resubmittal. If continuing calibration data are not available, flag all associated sample data as unusable ("R").

14.3 Do any of the SPCCs have an RRF <0.05?

If YES, make a note in data assessment if the lab did not take corrective action specified in section 7.4.4, page 8270D-18.

14.4 Do any of the CCCs have a %D between the initial and continuing RRF which exceeds 20.0%?

ACTION: If yes, make a note in data assessment.

14.5 Do any semivolatile compounds have a % Difference (% D) between the initial and continuing RRF which exceeds 20.0%?

ACTION: Circle all outliers in red.

ACTION: Qualify both positive results and non-detects for the outlier compound(s) as estimated (J). When %D is above 90%, qualify all non-detects for that analyte as "R", unusable.

14.6 Do any semivolatile compounds have a RRF < 0.05?

ACTION: Circle all outliers in red.

ACTION: If RRF < 0.05, qualify as unusable ("R") associated non-detects and "J" associated positive values.

14.7 Are there any transcription/calculation errors in the reporting of average response factors (RRF) or percent difference (%D) between initial and continuing RRFs? (Check at least two values but if errors are found, check more).

YES NO N/A

ACTION: Circle errors in red.

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and document effect(s) in the data assessments.

15.0 Internal Standards (Form VIII)

15.1 Are the internal standard areas (Form VIII) of every sample and blank within the upper and lower limits (-50% to + 100%) for each continuing calibration?

11 ✓

ACTION: List each outlying internal standard below.

Sample ID	IS #	Area	LowerLimit	Upper Limit
<u>3</u>	<u>CRY</u>	<u>193158</u>	<u>236732</u>	<u>946928</u>
<u>11</u>	<u>CRY</u> <u>PRY</u>	<u>175380</u> <u>133014</u>	<u>↓</u> <u>139826</u>	<u>↓</u> <u>559302</u>
<u>14</u>	<u>CRY</u>	<u>172934</u>	<u>236732</u>	<u>946928</u>
<u>21</u>	<u>CRY</u> <u>PRY</u>	<u>118407</u> <u>74756</u>	<u>164223</u> <u>119757</u>	<u>656892</u> <u>479028</u>

(Attach additional sheets if necessary.)

Note: Check Table 5, 8270D-41 for associated analytes.

- ACTION:
- i. If the internal standard area count is outside the upper or lower limit, flag with "J" all positive results and non-detects (U values) quantitated with this internal standard.
 - ii. Non-detects associated with IS > 100% should not be qualified.

YES NO N/A

iii. If the IS area is below the lower limit (<50%), qualify all associated non-detects (U-values) "J". If extremely low area counts are reported (<25%) or if performance exhibits a major abrupt drop off, flag all associated non-detects as unusable (R).

15.2 Are the retention times of all internal standards within 30 seconds of the associated calibration standard?

☒ ☐ ☐

ACTION: Professional judgement should be used to qualify data if the retention times differ by more than 30 seconds.

16.0 Laboratory Control Samples (LCS)

16.1 Were any LCS samples run in order to verify analytes which failed criteria for spike recovery?

☒ ☐ ☐

16.2 Did the lab spike LCS sample spiked with the same analytes and the same concentrations as the matrix spike?

☒ ☐ ☐

16.3 Were the mean and standard deviation of all analytes within the QC acceptance ranges as shown in ~~Table 6, 8270D-43?~~ lab limits?

☒ ☐ ☐

ACTION: If the recovery of any analyte falls out of the designated range, the analytical results for that compound is suspect and should be qualified "J" in the unspiked samples.

17.0 Field Duplicates

17.1 Were any field duplicates submitted for semivolatile analysis?

☒ ☐ ☐

YES NO N/A

ACTION: Compare the reported results for field duplicates and calculate the relative percent difference.

ACTION: Any gross variation between field duplicate results must be addressed in the reviewer narrative. However, if large differences exist, identification of field duplicates should be confirmed by contacting the sampler.

LDC #: 31445C3a
SDG #: 480-55157-1
Laboratory: Test America, Inc.

VALIDATION COMPLETENESS WORKSHEET

Cat A/Cat B

Date: 3/20/14
Page: 1 of 1
Reviewer: SVL
2nd Reviewer: CR

METHOD: GC Chlorinated Pesticides (EPA SW 846 Method 8081) ^B

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/2/14
II.	GC Instrument Performance Check	A	Not reviewed for Cat A review.
III.	Initial calibration	A	Not reviewed for Cat A review. r2
IV.	Continuing calibration/ICV	SW	Not reviewed for Cat A review. CA ≤ 202
V.	Blanks	SW	
VI.	Surrogate spikes	SW	
VII.	Matrix spike/Matrix spike duplicates	SW	
VIII.	Laboratory control samples	SW	LCS 12
IX.	Regional quality assurance and quality control	N	
X.	Floril cartridge check	N	
XI.	GPC Calibration	N	
XII.	Target compound identification	A	Not reviewed for Cat A review.
XIII.	Compound quantitation/RL/LOQ/LODs	SW	Not reviewed for Cat A review. R ₂ MDL < Results < RL = Jdet
XIV.	Overall assessment of data	A	
XV.	Field duplicates	SW	D = 9, 10
XVI.	Field blanks	ND	FB = 31

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

Soil + water (1)

1 ³	CC-C-048-0-2 (50x)	11 ³	CC-C-051-0-2 ** (50x)	21 ⁴	LT-G-027-2-4 ** (10x)	31 ⁵	FB028 W
2 ³	CC-C-048-4-6 (50x)	12 ³	CC-C-051-2-4 (50x)	22 ²	LT-G-027-8-10 (5x)	32	CC-C-048-4-6MS
3 ³	CC-C-048-8-10 ** (50x)	13 ³	CC-C-051-8-10 (20x)	23 ⁴	LT-C-053-0-2 (50x)	33	CC-C-048-4-6MSD
4 ³	CC-C-049-2-2 (50x)	14 ³	CC-C-052-0-2 ** (20x)	24 ⁴	LT-C-053-4-6 (5x)	34	LT-C-054-2-4MS
5 ³	CC-C-049-2-4 (50x)	15 ³	CC-C-052-2-4 (20x)	25 ²	LT-C-053-6-8 ** (10x)	35	LT-C-054-2-4MSD
6 ³	CC-C-049-8-10 (10x)	16 ¹	CC-C-052-8-10 (5x)	26 ⁴	LT-C-054-0-2 (10x)	36 ¹	MB 4x0-167614 / 1-A
7 ³	CC-C-050-0-2 (50x)	17 ³	LT-G-026-0-2 (20x)	27 ⁴	LT-C-054-2-4	37 ²	-167617 /
8 ¹	CC-C-050-2-4 **	18 ¹	LT-G-026-4-6	28 ⁴	LT-C-057-0-2 (50x)	38 ³	-167812 /
9 ³	CC-C-050-8-10 ^b	19 ¹	LT-G-026-6-8	29 ⁴	LT-C-057-2-4	39 ⁴	-167813 /
10 ³	DUP027 ^b	20 ³	LT-G-027-0-2	30 ⁴	LT-C-057-6-8 (5x)	40 ⁵	-167536 /

Notes:

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes: _____

LDC #: 31445 C3a

VALIDATION FINDINGS WORKSHEET

Continuing Calibration

Page: 1 of 1

Reviewer: Ng

2nd Reviewer: 9

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Please see qualifications below for all questions answered "N" Not applicable questions are identified as "N/A".

X N N/A Were Evaluation mix standards run before initial calibration and before samples?

9) N N/A Were Endrin & 4,4'-DDT breakdowns acceptable in the Evaluation Mix standard (<15.0% for individual breakdowns)?

	N	N/A	Was at least one standard run daily to verify the working curve?
---	---	-----	--

Y(N)/N/A Did the continuing calibration standards meet the percent difference (%D) / relative percent difference (RPD) criteria of $\leq 20.0\%$?

Level IV/D Only

Y N N/A Were the retention times for all calibrated compounds within their respective acceptance windows?

[illegible]

A. alpha-BHC

E. Heptachlor

I. Dieldrin

M. 4,4'-DDD

Q. Endrin ketone

U. Toxaphene

Y. Aroclor-1242

CC. DB 608

GG.

B. beta-BHC

F. Aldrin

J. 4,4'-DDE

N. Endosulfan sulfate

R. Endrin aldehyde

V. Aroclor-1016

Z. Aroclor-1248

DD. DB 1701

HH. _____

C. delta-BHC

G. Heptachlor epoxide

K. Endrin
L. Endosulfan II

O. 4,4'-DDT
P. Methoxychlor

S. alpha-Chlordane
T. gamma-Chlordane

W. Aroclor-1221
X. Aroclor-1232

AA. Aroclor-1254
BB. Aroclor-1260

EE. Hexachlobenzene
FF.

II. _____
JJ. _____

LDC #: 31445 (3A)**VALIDATION FINDINGS WORKSHEET**
Surrogate SpikesPage: 1 of 1
Reviewer: JVG
2nd Reviewer: 02**METHOD:** GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Please see qualification below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were surrogates spiked into all samples, standards and blanks?
Y N N/A Did all surrogate percent recoveries (%R) meet the QC limits?

#	Sample ID	Column	Surrogate Compound	%R (Limits)	Qualifications
	1-7, 11-15, 17, 21,	RTX-C1P2	A	0 (30-124)	No qual (dil)
	23, 25, 26,		B	↓ (32-136)	↓
	(10x - 50x)			()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	

Letter Designation	Surrogate Compound	Recovery QC Limits (Soil)	Recovery QC Limits (Water)	Comments
A	Tetrachloro-m-xylene			
B	Decachlorobiphenyl			

LDC #: 31445 C39

VALIDATION FINDINGS WORKSHEET

Matrix Spike/Matrix Spike Duplicates

Page: of)

Reviewer: MB

2nd Reviewer: OR

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

~~X~~ N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG?

Y/N N/A Was a MS/MSD analyzed every 20 samples for each matrix or whenever a sample extraction was performed?

Y	N	N/A	Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?
---	---	-----	--

[illegible]

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Method: Pesticides (EPA SW 846 Method 8081B)

Analyte	Concentration (µg/Kg)		RPD (≤100%)	Diff.	Diff Limits (2xRL)	Qualifiers (Parents Only)
	9	10				
M	1.4	0.69		0.71	(≤4.0)	
J	1.6	1.8		0.2	(≤4.0)	
O	1.9	4.9		3.0	(≤4.0)	
C	0.64	0.77		0.13	(≤4.0)	
I	1.9U	1.0		0.9	(≤3.8)	
K	1.9U	0.70		0.2	(≤3.8)	
T	1.0	1.4		0.4	(≤4.0)	
P	1.9U	2.8		0.9	(≤3.8)	

LDC #: 3144503a

VALIDATION FINDINGS WORKSHEET

Compound Quantitation and Reported CRQLs

Page: of

Reviewer: JVG

2nd Reviewer: a

METHOD: / GC _ HPLC

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Level IV/D Only

Y N N/A

Were CRQLs adjusted for sample dilutions, dry weight factors, etc.?

Y N N/A

Did the reported results for detected target compounds agree within 10.0% of the recalculated results?

Y(N)N/A

Did the percent difference of detected compounds between two columns./detectors $\leq 40\%$?

If no, please see findings bellow.

[illegible]

Comments: See sample calculation verification worksheet for recalculations

LDC#: 31445C3a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 4
 Reviewer: JVG
 2nd Reviewer:

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081A)

Calibration Date	Instrument/Column	Compound	Standard	(Y) Response	(X) Concentration
1/27/2014	HP6890-6 RTX-CLP1	g-BHC	1	402955	0.0050
			2	834751	0.0100
			3	4826300	0.0500
			4	9812775	0.1000
			5	14309366	0.1500
1/27/2014	HP6890-6 RTX-CLP1	4,4'-DDT	1	289212	0.0050
			2	577382	0.0100
			3	3299716	0.0500
			4	6627939	0.1000
			5	9728110	0.1500

Regression Output		g-BHC		DDT	
		Calculated	Reported WLR	Calculated	Reported WLR
Constant	b =	0.000599	-97277.158	0.000386	-50692.861
Std Err of Y Est					
R Squared	r^2 =	0.999527	1.000000	0.999678	1.000000
Degrees of Freedom					
X Coefficient(s)	m1 =	96703692.6702	97373120.000	65530593.1283	65954994.600
Std Err of Coef.					
Correlation Coefficient		0.999763		0.999839	
COD r2		0.999527		0.999678	

LDC#: 31445C3a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 2 of 4
 Reviewer: JVG
 2nd Reviewer: CL

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081A)

Calibration Date	Instrument/Column	Compound	Standard	(Y) Response	(X) Concentration
1/27/2014	HP6890-6 RTX-CLP2	g-BHC	1	397852	0.0050
			2	812531	0.0100
			3	4477372	0.0500
			4	9035799	0.1000
			5	13019599	0.1500
1/27/2014	HP6890-6 RTX-CLP2	4,4'-DDT	1	229092	0.0050
			2	493120	0.0100
			3	2995114	0.0500
			4	6213805	0.1000
			5	9379617	0.1500

Regression Output		g-BHC		DDT	
		Calculated	Reported WLR	Calculated	Reported WLR
Constant	b =	-0.000091	-49907.392	0.002013	-104229.050
Std Err of Y Est					
R Squared	r ² =	0.999152	1.000000	0.999938	1.000000
Degrees of Freedom					
X Coefficient(s)	m1 =	87872007.9188	88865682.400	63323186.2565	62958391.200
Std Err of Coef.					
Correlation Coefficient		0.999576		0.999969	
COD r2		0.999152		0.999938	

LDC#: 31445C3a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 3 of 4
 Reviewer: JVG
 2nd Reviewer: 9

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081B)

Calibration Date	Instrument/Column	Compound	Standard	(Y) Response	(X) Concentration
2/6/2014	HP6890-25 RTX-CLP1	g-BHC	1	245470	0.0050
			2	522454	0.0100
			3	2965070	0.0500
			4	5907824	0.1000
			5	8630571	0.1500
2/6/2014	HP6890-25 RTX-CLP1	4,4'-DDT	1	148289	0.0050
			2	326138	0.0100
			3	1974708	0.0500
			4	4058115	0.1000
			5	6155582	0.1500

Regression Output		g-BHC		DDT	
		Calculated	Reported WLR	Calculated	Reported WLR
Constant	b =	0.000220	-49614.415	0.001978	-68453.561
Std Err of Y Est					
R Squared	r ² =	0.999507	1.000000	0.999956	1.000000
Degrees of Freedom					
X Coefficient(s)	m1 =	58179053.2068	58791939.900	41500563.4162	41286031.100
Std Err of Coef.					
Correlation Coefficient		0.999754		0.999978	
COD r2		0.999507		0.999956	

LDC#: 31445C3a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 4 of 4
 Reviewer: JVG
 2nd Reviewer: 02

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081A)

Calibration Date	Instrument/Column	Compound	Standard	(Y) Response	(X) Concentration
2/6/2014	HP6890-25 RTX-CLP2	g-BHC	1	117593	0.0050
			2	248229	0.0100
			3	1430940	0.0500
			4	2882739	0.1000
			5	4278074	0.1500
2/6/2014	HP6890-25 RTX-CLP2	4,4'-DDT	1	72250	0.0050
			2	155669	0.0100
			3	967128	0.0500
			4	2013799	0.1000
			5	3078302	0.1500

Regression Output		g-BHC		DDT	
		Calculated	Reported WLR	Calculated	Reported WLR
Constant	b =	0.000832	-30608.233	0.002459	-37996.410
Std Err of Y Est					
R Squared	r ² =	0.999881	1.000000	0.999828	1.000000
Degrees of Freedom					
X Coefficient(s)	m1 =	28813810.8639	28922591.000	20766309.9476	20562317.600
Std Err of Coef.					
Correlation Coefficient		0.999941		0.999914	
COD r2		0.999881		0.999828	

LDC#: 31445C3a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Calculation Verification

Page: 1 of 1
 Reviewer: JVG
 2nd Reviewer: CR

METHOD: GC _____ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration percent difference (%D) values were recalculated for the compounds identified below using the following calculation:

$$\text{Percent difference (\%D)} = 100 * (N - C)/N$$

Where:

N = Initial Calibration Factor or Nominal Amount

C = Calibration Factor from Continuing Calibration Standard or Calculated Amount

#	Standard ID	Calibration Date	Compound	CCV Conc	Reported Conc	Recalculated Conc	Reported % D	Recalculated %D
1	25_69092	2/27/2014	g-BHC CLP1	0.0500	0.0568	0.0568	13.6	13.6
			4,4'-DDT CLP1	0.0500	0.0539	0.0539	7.9	7.9
			g-BHC CLP2	0.0500	0.0511	0.0511	2.2	2.2
			4,4'-DDT CLP2	0.0500	0.0482	0.0482	3.5	3.5
2	25_69101	2/27/2014	g-BHC CLP1	0.0500	0.0554	0.0554	10.8	10.8
			4,4'-DDT CLP1	0.0500	0.0528	0.0528	5.7	5.7
			g-BHC CLP2	0.0500	0.0496	0.0496	0.8	0.8
			4,4'-DDT CLP2	0.0500	0.0478	0.0478	4.4	4.4
3	6_12155	2/27/2014	g-BHC CLP1	0.0500	0.0535	0.0535	7.1	7.1
			4,4'-DDT CLP1	0.0500	0.0521	0.0521	4.3	4.3
			g-BHC CLP2	0.0500	0.0484	0.0484	3.3	3.3
			4,4'-DDT CLP2	0.0500	0.0449	0.0449	10.2	10.2
4	6_12163	2/27/2014	g-BHC CLP1	0.0500	0.0534	0.0534	6.9	6.9
			4,4'-DDT CLP1	0.0500	0.0516	0.0516	3.2	3.2
			g-BHC CLP2	0.0500	0.0491	0.0491	1.8	1.8
			4,4'-DDT CLP2	0.0500	0.0468	0.0468	6.5	6.5

LDC #: 31445 C3a

VALIDATION FINDINGS WORKSHEET **Surrogate Results Verification**

Page: 1 of 1

Reviewer: JVG

2nd reviewer: a

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: # 8

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene	RTX-9pr	0.020	0.0207	104	104	0
Decachlorobiphenyl	8	8	0.0192	96	96	0
Decachlorobiphenyl						

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Sample ID:

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Notes:

LDC #: 21445 C3A

VALIDATION FINDINGS WORKSHEET **Matrix Spike/Matrix Spike Duplicates Results Verification**

Page: 1 of 1
 Reviewer: JVG
 2nd Reviewer: CL

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

The percent recoveries (%R) and Relative Percent difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = $100 \times (\text{SSC} - \text{SC}) / \text{SA}$

Where: SSC = Spiked sample concentration
 SA = Spike added

SC = Concentration

RPD = $| \text{MS} - \text{MSD} | \times 2 / (\text{MS} + \text{MSD})$

MS = Matrix spike percent recovery

MSD = Matrix spike duplicate percent recovery

MS/MSD samples: 32/33

Compound	Spike Added (ug/kg)		Sample Concentration (ug/kg)	Spiked Sample Concentration (ug/kg)		Matrix Spike		Matrix Spike Duplicate		MS/MSD	
						Percent Recovery		Percent Recovery		RPD	
	MS	MSD	-	MS	MSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
gamma-BHC	17.9	18.1	24.25	65.1	23.4	228	228	-5	0	94	94
4,4'-DDT	1	1	39.45	49.0	48.2	53	53	48	48	2	2
Aroclor 1260											

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31445C39**VALIDATION FINDINGS WORKSHEET**Page: 1 of 1**Laboratory Control Sample/Laboratory Control Sample Duplicate Results Verification**Reviewer: JVG2nd Reviewer: Q**METHOD:** GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

The percent recoveries (%R) and Relative Percent difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = $100 * (SSC - SC) / SA$

Where: SSC = Spiked sample concentration
SA = Spike added

SC = Concentration

RPD = $|LCS - LCSD| * 2 / (LCS + LCSD)$

LCS = Laboratory control sample percent recovery

LCSD = Laboratory control sample duplicate percent recovery

LCS/LCSD samples: LCS 480-167614 / 2-A

Compound	Spike Added ($\mu\text{g}/\text{kg}$)		Spiked Sample Concentration ($\mu\text{g}/\text{kg}$)		LCS		LCSD		LCS/LCSD	
					Percent Recovery		Percent Recovery		RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
gamma-BHC	16.6	NA	19.7	NA	88	88				
4,4'-DDT	↓	↓	16.3	↓	98	98				
Aroclor 1260										

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31445 (3a)

VALIDATION FINDINGS WORKSHEET

Sample Calculation Verification

Page: 1 of 1

Reviewer: JVG
2nd reviewer: a

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Y	N	N/A
Y	N	N/A

Were all reported results recalculated and verified for all level IV samples?

Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

CLP2 HP-6

Example:

Sample I.D. 3 DDT

$$X_{\text{conc.}} = \frac{y - b}{m} \left[\frac{(69199) - (-104229.05)}{(62958391.2)} \right]$$

$$= 0.002755$$

$$\begin{aligned} \text{final conc.} &= \frac{(0.007255)(10\text{ml})(50)(1000)}{(30.24\text{g})(0.884)} \\ &= 51.52 \\ &\approx 52\text{ ug/kg} \end{aligned}$$

[illegible]

Note: _____

PACKAGE COMPLETENESS AND DELIVERABLES

CASE NUMBER: 31445C SDG# 480-55157-1
LAB: Test America Buffalo SITE: Glen Isle

1.0 Data Completeness and Deliverables YES NO N/A

1.1 Has all the data been submitted in CLP deliverable format? ☒ ☐ ☐

1.2 Have any missing deliverables been received and added to the data package? ☒ ☐ ☐

ACTION: Call lab for explanation/resubmittal of any missing deliverables. If lab cannot provide them, note the effect on review of the data in the reviewer narrative.

2.0 Cover Letter; SDG Narrative

2.1 Is a laboratory narrative or cover letter present? ☒ ☐ ☐

2.2 Are the case number and/or SDG number contained in the narrative or cover letter? ☒ ☐ ☐

3.0 Data Validation Checklist

3.1 Does this data package contain:

Water data? ☒ ☐ ☐

Waste data? ☐ ☐ ☒

Soil/solid data? ☒ ☐ ☐

ORGANOCHLORINE PESTICIDE

YES NO N/A

1.0 Traffic Reports and Laboratory Narrative

- 1.1 Are traffic report and chain-of-custody forms present for all samples?

☒ ☐ ☐

ACTION: If no, contact lab for replacement of missing or illegible copies.

- 1.2 Do the traffic reports, chain-of-custody forms or SDG narrative indicate any problems with sample receipt, condition of the samples, analytical problems or special circumstances affecting the quality of the data?

☐ ☒ ☐

ACTION: If any sample analyzed as a soil, other than than TCLP, contains 50%-90% water, all data should be qualified as estimated, "J." If a soil sample, other than TCLP, contains more than 90% water, all non detects are qualified as unusable, "R", and positive results flagged "J".

ACTION: If samples were not iced or if the ice was melted upon arrival at the laboratory and the temperature of the cooler was elevated (> 10° C), flag all positive results "J" and all non-detects "UJ".

2.0 Holding Times

- 2.1 Have any organochlorine pesticide technical holding times, determined from date of collection to date of extraction, been exceeded?

☐ ☒ ☐

Water and waste samples for organochlorine pesticide analysis must be extracted within 7 days of the date of collection. Extracts must be analyzed within 40 days of the date of extraction. Soils and solid samples must be extracted within 14 days of collection and analyzed within 40 days of extraction.

ACTION: Qualify sample results according to Table 1.

Table 1. Holding Time Criteria

Matrix	Preserved	Criteria	Action	
			Detected compounds	Non-detected compounds
Aqueous	No	≤ 7 days(extraction) ≤ 40 days(analysis)	J*	UJ*
	No	> 7 days(extraction) > 40 days(analysis)	J*	UJ
	Yes	≤ 7 days(extraction) ≤ 40 days(analysis)	No qualification	
	Yes	> 7 days(extraction) > 40 days(analysis)	J	UJ
	Yes/No	> 28 days (gross exceedance)	J	R
Non-aqueous	No	≤ 14 days(extraction) ≤ 40 days (analysis)	J*	UJ*
	No	> 14 days(extraction) > 40 days(analysis)	J	UJ
	Yes	≤ 14 days(extraction) ≤ 40 days(analysis)	No qualification	
	Yes	> 14 days(extraction) > 40 days(analysis)	J	UJ
	Yes/No	> 28 days (gross exceedance)	J	R

* only if cooler temperature exceeds 10°C; no action required if cooler temperature < 10°C.

YES NO N/A

3.0 Surrogate Recovery (Form II/Equivalent)

3.1 Were the recoveries of tetrachloro-m-xylene (TCMX) and decachlorobiphenyl (DCB) presented on CLP Surrogate Recovery Summary forms (Form II), or equivalent, for each of the following matrices?

a. Water/Waste

☒ ☐ ☐

b. Soil/Solid

☒ ☐ ☐

3.2 Are all the pesticide samples listed on the appropriate surrogate recovery form for each of the following matrices?

a. Water

☒ ☐ ☐

b. Waste

☐ ☐ ☒

c. Soil/Solid

☒ ☐ ☐

ACTION: Call lab for explanation/resubmittals.
If missing deliverables are unavailable,
document the effect in the data assessment.

3.3 Are all recovery limits for the surrogates TCMX and DCB between 30-150% for all samples, including MS and MSDs, LCSs and all blanks?

☐ ☒ ☐

Note: ☒ Reviewer shall use lab in-house recover limits if available. In-house criteria should be examined for reasonableness.

ACTION: Circle all outliers in red. Follow surrogate action Table 2.

3.5 Were surrogate retention times (RT) within the windows established during the initial 5-point analysis?

☒ ☐ ☐

ACTION: Follow surrogate action, Table 2 below.

YES NO N/A

Table 2. Surrogate Recovery Criteria

Criteria	Action	
	Detected Target Compounds	Non-detected Target Compounds
%R > 200%	J	Use professional judgement
150% < %R ≤ 200%	J	No qualification
30% ≤ %R ≤ 150%	No qualification	
10% ≤ %R < 30%	J	UJ
%R < 10% (sample dilution not a factor)	J	R
%R < 10% (sample dilution is a factor)	Use professional judgement	
RT out of RT window	Use professional judgement	
RT within RT window	No qualification	

3.6 Are there any transcription/calculation errors between raw data and Form II?

☒ ☐ ☐

ACTION: If large errors exist, call lab for explanation/resubmittal. Make any necessary corrections and document the effect in data assessments.

4.0 Laboratory Control Sample (LCS)

4.1 Is the LCS prepared, extracted, analyzed, and reported once for every 20 field samples.

☒ ☐ ☐

ACTION: If any Laboratory Control Sample data are missing, call the lab for explanation /resubmittals. Make note in the data assessment.

YES NO N/A

- 4.2 Were Laboratory Control Samples analyzed
at the required concentration for all analytes
of interest as specified in Table 3 below.

☒ ☐ ☐

Note: Use lab in-house criteria, if available.

Table 3. LCS Spiking Criteria

LCS Spike Compound	Spiking solution ug/l	Amount spiked to 100ml aqueous sample or 30g soil sample ml	Recovery Limits (%)
gamma-BHC	0.05	1	50-120
Heptachor epoxide	0.05	1	50-120
Dieldrin	0.01	1	30-130
4,4'-DDE	0.01	1	50-150
Endrin	0.01	1	50-120
Endosulfan sulfate	0.01	1	50-120
gamma-Chloradane	0.05	1	30-130
Tetrachloro-m- xylene (surrogate)	0.20	3	30-150
Decachlorobiphenyl (surrogate)	0.40	3	30-150

Note: The LCS might be spiked with the same analytes at
the same concentration as the matrix spike.

ACTION: If Laboratory Control Samples were not analyzed at
the required concentration or the required
frequency, make note in the data assessment and
use professional judgement to determined the
affect on the data.

- 4.3 Do average recovery for each analyte meet the corresponding
QC acceptance criteria, ~~listed in table above?~~ ☒ ☐ ☐
lab limits?

YES NO N/A

ACTION: For LCS % recovery not meeting the required recovery, follow the required action in Table 4 below.

Table 4. LCS Recovery Criteria

Criteria	Action	
	Detected Associated Compounds	Non-Detected Compounds
%R > Upper Acceptance Limit	J	No qualification
%R < Upper Acceptance Limit	J	R
Lower Acceptance Limit ≤ %R ≤ Upper Acceptance Limit	No qualifications	

5.0 Matrix Spikes (Form III/Equivalent)

5.1 Are all data for matrix spike and matrix duplicate or matrix spike duplicate (MS/MD or MS/MSD) present and complete for each matrix? 11 /

NOTE: For soil and waste samples showing detectable amounts of organics, the lab may substitute replicate samples in place of the matrix spike (see page 8000B-40, section 8.5.3).

5.2 Have MS/MD or MS/MSD results been summarized on Form III/Equivalent? 11 /

ACTION: If any data are missing take action as specified in section 3.2 above.

5.3 Were matrix spikes analyzed at the required frequency for each of the following matrices? (One MS/MD, MS/MSD or laboratory replicate must be performed for every 20 samples of similar matrix or concentration level. Laboratories analyzing one to ten samples per month are required to analyze at least one MS per month [page 8000B-39, section 8.5.])

YES NO N/A

- a. Water ☐ ☐ ☒
- b. Waste ☐ ☐ ☒
- c. Soil/Solid ☒ ☐ ☐

ACTION: If any MS/MD, MS/MSD or replicate data are missing,
take the action specified in 3.2 above.

5.4 We Were Matrix Spike Samples analyzed at the
required concentration for all analytes
of interest as specified in Table 5 below.

☒ ☐ ☐

Note: Spiking analytes may differ from those in Table 5.
Check QA project plan or task order.

Table 5. Matrix Spiking Criteria

Matrix Spike Compound	Spiking solution ug/l	Amount spiked to 100ml aqueous sample or 30g soil sample ml
gamma-BHC	0.05	1
Heptachor	0.05	1
Aldrin	0.05	1
Dieldrin	1.0	1
Endrin	1.0	1
4,4'-DDT	1.0	1

Note: For aqueous organic extractable, the spike
concentration should be:

- 1) For regulatory compliance monitoring - the
regulatory concentration limit or 1 to 5 times the
expected background concentration, whichever is
higher;
- 2) For all other aqueous samples - the larger of
either 1 to 5 x times the expected background

YES NO N/A

concentration, or the same as the QC check sample concentration (see section 4 above);

- 3) For soil/solid and waste samples - the recommended concentration is 20 times the estimated quantitation limit (EQL).

No action is taken based on MS or replicate data alone. However, using informed professional judgement, the data reviewer may use the matrix spike or laboratory replicate results in conjunction with other QC criteria and determine the need for some qualification of the data. In some instances it may be determined that only the replicate or spiked samples are affected. Alternatively, the data may suggest that the laboratory is having a systematic problem with one or more analytes, thereby affecting all associated samples.

5.5 Do average recovery for each analyte meet the corresponding QC acceptance criteria listed in ~~Table 6~~ below. *lab limits.*

11 /

Note: ✓ Use lab in-house criteria, if available.

Table 6. Matrix Spike Recovery Criteria

Compound	% Recovery Water	RPD Water	% Recovery Soil	RPD Soil
gamma-BHC	56-123	0-15	46-127	0-50
Heptachor	40-13	0-20	35-130	0-31
Aldrin	40-120	0-22	34-132	0-43
Dieldrin	52-126	0-18	31-134	0-38
Endrin	56-121	0-21	42-139	0-45
4,4'-DDT	38-127	0-27	23-134	0-50

NOTE: The actual number of MS analytes depends on the number analytes being measured (e.g., total number of MS plus MSD compounds). If only chlordane or toxaphene are the analytes of

YES NO N/A

interest, the spiked sample should contain the most representative multi-component analyte.

ACTION: Follow the matrix spike actions (Table 7)
for pesticide analyses.

Table 7. Matrix Spike Qualifying Criteria

Criteria	Action	
	Detected Associated Compounds	Non-Detected Compounds
%R or RPD > Upper Acceptance Limit	J	No qualification
20% R ≤ %R < Lower Acceptance Limit	J	UJ
%R < 20%	J	Use professional judgement
Lower Acceptance Limit ≤ %R; RPD ≤ Upper Acceptance Limit	No qualifications	

Note: When the results of the matrix spike analyses indicates a potential problem due to the sample matrix itself, the LCS results are used to verify the laboratory can perform analyses in a clean matrix.

6.0 Blanks (Form IV/Equivalent)

6.1 Was reagent blank data reported on Method
Blank Summary form(s) (Form IV)?

6.2 Frequency of Analysis: Has a reagent blank been analyzed
for every 20 (or less) samples of similar matrix or
concentration or each extraction batch? ☒ ☐ ☐

Note: Method blank should be analyzed, either after the
calibration standard or at any other time during the
analytical shift.

YES NO N/A

ACTION: If any blank data are missing, take action as specified above (section 3.2). If blank data is not available, reject (R) all associated positive data. However, using professional judgement, the data reviewer may substitute field blank data for missing method blank data.

6.3 Chromatography: review the blank raw data - chromatograms, quant reports or data system printouts.

Is the chromatographic performance (baseline stability) for each instrument acceptable for pesticides?

☒ ☐ ☐

ACTION: Use professional judgement to determine the effect on the data.

7.0 Contamination

NOTE: "Water blanks", "distilled water blanks" and "drilling water blanks" are validated like any other sample and are not used to qualify the data. Do not confuse them with the other QC blanks discussed below.

7.1 Do any method/instrument/reagent/cleanup blanks have positive results for organochlorine pesticides? When applied as described below, the contaminant concentration in these blanks are multiplied by the sample Dilution Factor and corrected for % moisture when necessary.

☒ ☐ ☐

7.2 Do any field/rinse blanks have positive organochlorine pesticide results?

☐ ☒ ☐

ACTION: Prepare a list of the samples associated with each of the contaminated blanks. (Attach a separate sheet.)

NOTE: All field blank results associated to a particular group of samples (may exceed one per case or one per day) may be used to qualify data. Blanks may not be qualified because of contamination in

YES NO N/A

another blank. Field blanks must be qualified for surrogate, or calibration QC problems.

ACTION: Follow the directions in Table 8 below to qualify sample results due to contamination. Use the largest value from all the associated blanks.

Table 8. Blank Contamination Criteria

Blank Type	Blank Result	Sample Result	Action for Samples
Method, Clean up, Instrument, Field	Detects	Not detected	No qualification
	< CRQL	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification
	> CRQL	< CRQL	Report CRQL value with a U
		≥ CRQL and < blank contamination	Report the concentration for the sample with a U
		≥ CRQL and ≥ blank contamination	No qualification
	= CRQL	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification
	Gross contamination	Detects	Qualify results as unusable R

Note: Analytes qualified "U" for blank contamination are treated as "hits" when qualifying the calibration criteria.

Note: When applied as described in Table 8 above, the contaminant concentration in the blank is multiplied by the sample dilution factor.

NOTE: If gross blank contamination exists(e.g., saturated peaks, "hump-o-grams", "junk peaks"), all affected positive compounds in the associated samples should be qualified as unusable "R", due to interference.

YES NO N/A

Non-detected pesticide target compounds do not require qualification unless the contamination is so high that it interferes with the analyses of non-detected compounds.

7.3 Are there field/rinse/equipment blanks associated with every sample?

☒ — —

ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

8.0 Gas Chromatography with Electron Capture Detector (GC/ECD) Instrument Performance Check (CLP Form VI and Form VII Equivalent)

8.1 Was the proper gas chromatographic column used for the analysis of organochlorine pesticides? Check raw data, instrument logs, or contact the lab to determine what type of columns were used. (See Method 8081B-8, section 4.2)

☒ — —

8.2 If capillary columns were used, were they both wide bore (.53 mm ID) fused silica GC columns, such as DB-608 and DB-1701 or equivalent. Indicate the specific type of column used for:

column 1: _____

column 2: _____

ACTION: Note any changes to the suggested materials in section 8.1 above in the data assessment. Also note the impact (positive or negative) such changes have on the analytical results.

9.0 Calibration and GC Performance

9.1 Are the following Gas Chromatograms and Data Systems Printouts for both columns present for all samples, blanks, MS, replicates?

a. DDT/endrin breakdown check

☒ — —

YES NO N/A

- | | | | |
|--|-------------------------------------|--------------------------|--------------------------|
| b. toxaphene | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| c. technical chlordane | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| d. 5 pt. initial calibration standards | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| e. calibration verification standards | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| f. LCS | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| g. Method blanks | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

ACTION: If no, take action specified in 3.2 above.

- 9.2 Has a DDT/endrin breakdown check standard (at the mid-concentration level) been analyzed at the beginning of each analytical sequence on both columns (page 8081B-24, section 8.2.3)? ☒ ☐ ☐

ACTION: If no, take action as specified in 3.2 above.

- 9.3 Has the individual % breakdown exceeded 20.0% on either column for:
- | | | | |
|---------------|--------------------------|-------------------------------------|--------------------------|
| - 4,4' - DDT? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| - endrin? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

ACTION: If any % breakdown has failed the QC criteria in the breakdown check standard, qualify all sample analyses in the entire analytical sequence as described below.

- a. If 4,4'-DDT breakdown is greater than 20.0%:
- i. Qualify all positive results for DDT with 'J'. If DDT was not detected, but DDD and DDE are positive, then qualify the quantitation limit for DDT as unusable ("R").
 - ii. Qualify positive results for DDD and DDE as presumptively present at an approximated quantity ("NJ").

YES NO N/A

b. If endrin breakdown is greater than 20.0%:

i. Qualify all positive results for endrin with "J". If endrin was not detected, but endrin aldehyde and endrin ketone are positive, then qualify the quantitation limit for endrin as unusable ("R").

ii. Qualify positive results for endrin ketone and endrin aldehyde as presumptively present at an approximated quantity ("NJ").

9.4 Are data summary forms (containing calibration factors or response factors) for the initial 5 pt. calibration and daily calibration verification standards present and complete for each column and each analytical sequence? ☒ ☐ ☐

NOTE: If internal standard calibration procedure is used (page 8000B-16, section 7.4.2.2), then response factors must be used for %RSD calculations and compound quantitation. If, external standard calibration procedures are used (page 8000B-16, section 7.4.2.1), then calibration factors must be used.

ACTION: If any data are missing or it cannot be determined how the laboratory calculated calibration factors or response factors, contact the lab for explanation/resubmittals. Make necessary corrections and note any problems in the data assessment.

9.5 Are there any transcription/calculation errors between raw data and data summary forms. ☐ ☒ ☐

ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and document the effect in data assessments.

9.6 Are standard retention time (RT) windows for each analyte of interest presented on modified CLP summary forms? ☒ ☐ ☐

YES NO N/A

ACTION: If any data are missing, or it cannot be determined how RT windows were calculated, call the lab for explanation/resubmittals. Note any problems in the data assessment.

NOTE: Retention time windows for all pesticides are established using retention times from three calibration standards analyzed during the entire analytical sequence (page 8081B-15, section 7.4.6).

A 72 hr. sequence is not required with this method, however, the method states that best results are obtained using retention times which span the entire sequence; i.e., using the mid level from the 5 pt. calibration, one of the mid-concentration standards analyzed during mid-sequence and one analyzed at the end.

9.7 Were RT windows on the confirmation column established using three standards as described above? 11 — —

NOTE: RT windows for the confirmation column should be established using a 3 pt. calibration, preferably spanning the entire analytical sequence as described in 9.6 above. If RT windows on one column are tighter than the other, this may result in false negatives when attempting to identify compounds in the samples.

ACTION: Note potential problems, if any, in the data assessment.

9.8 Do all standard retention times in each level of the initial 5 pt. calibrations for pesticides fall within the windows established during the initial calibration sequence? 11 — —

ACTION: i. If no, all samples in the entire analytical sequence are potentially affected. Check to see if three standards, spanning the entire sequence were used to obtain RT windows. If the lab used three standards from the 5 pt., RT windows

YES NO N/A

may be too tight. If so, RT windows should be recalculated as per page 8081B-15, section 7.4.6.2

- ii. Alternatively, check to see if the chromatograms contain peaks within an expanded window surrounding the expected retention times.

If no peaks are found and the surrogates are visible, non-detects are valid. If peaks are present but cannot be discerned through pattern recognition or by using revised RT windows, qualify all positive results and non-detects as unusable, "R".

ACTION: For toxaphene and chlordane, the RT may be outside the RT window, but these analytes may still be identified from their individual patterns.

9.9 Has the linearity criteria for the initial calibration standards been satisfied for both columns? (% RSD must be < allowable limits* for all analytes). $(all\ r^2)$ 1/1 — —

ACTION: If no, follow the actions in Table 9 below.

Table 9. Initial Calibration Linearity Criteria

Criteria	Criteria	
	Detected Associated Compounds	Non-Detected Associated Compounds
% RSD exceeds allowable limits*	J	No qualification
% RSD within allowable limits*	NO qualifications	

* %RSD \leq 20% for single component compounds except alpha-BHC and delta-BHC.

%RSD \leq 25% for alpha-BHC and delta-BHC

%RSD \leq 30% for Toxaphene peaks

%RSD \leq 30% for surrogates (tetrachloro-m-xylene and decachlorobiphenyl).

9.10 Has a calibration verification standard containing all analytes of interest been analyzed on each

YES NO N/A

working day, prior to sample analyses (pages
8081B-15, sections 7.5.2)?

☒ ☐ ☐

- 9.11 Has a calibration verification standard also been analyzed after every 10 samples and at the end of each analytical sequence (page 8081B-15, section 7.5.2)?

☒ ☐ ☐

ACTION: If no, take action as specified in section 3.2 above.

- 9.12 Has no more than 12 hours elapsed from the injection of the opening CCV and the end of the analytical sequence (closing CCV). Has no more than 72 hours elapsed from the injection of the sample with a Toxaphene detection and the Toxaphene CCV?

☒ ☐ ☐

ACTION: See Table 10 below.

- 9.13 Has the percent difference (%D) exceeded $\pm 20\%$ for any organochlorine pesticide analyte in any calibration verification standard?

☐ ☒ ☐

- 9.14 Has a new 5 pt. calibration curve been generated for those analytes which failed in the calibration verification standard (page 8081B-16, section 7.5.2.2), and all samples which followed the out-of-control standard (page 8081B-16, section 7.5.2.3) reinjected?

☐ ☐ ☒

ACTION: If the %D for any analyte exceeded the $\pm 20\%$ criterion and the instrument was not recalibrated for those analytes, see table below.

- 9.15 Have daily retention time windows been properly calculated for each analyte of interest (page 8081B-16, section 7.5.3)), using RTs from the associated mid concentration standard and standard deviation from the initial calibration)?

☒ ☐ ☐

YES NO N/A

ACTION: If no, take action specified in section 3.2 above or recalculate RT windows using the procedure outlined in method 8081B-16, section 7.5.3.

9.16 Do all standard retention times for each mid concentration standard fall within the windows established during the initial calibration sequence?

☒ 1 — —

9.17 Do all standard retention times for each mid-concentration standard (analyzed after every 10 samples) fall within the daily RT windows (page 8081B-16, section 7.5.3)?

☒ 1 — —

ACTION: If the answer to either 9.15 or 9.16 above is no, check the chromatograms of all samples which followed the last in-control standard. All samples analyzed after the last in-control standard must be re-injected, if initial analysis indicated the presence of the specific analyte that exceeded the retention time criteria (page 8081B-18, section 7.5.7.). If samples were not re-analyzed, document under Contract Non-compliance in the Data Assessment.

Reviewer has two options to determine how to qualify questionable sample data. First option is to determine if possible peaks are present within daily retention time window. If no possible peaks are found, non-detects are valid. If possible peaks are found (or interference), qualify positive hits as presumptively present "NJ" and non-detects are rejected "R". Second option is to use the ratio of the retention time of the analyte over the retention time of either surrogate. The passing criteria is ± 0.06 RRT units of the RRT of the standard component. Reject "R" all questionable analytes exceeding criteria, and "NJ" all other positive hits.

For any multi-response analytes, retention time windows should be used but analyst and reviewer should rely primarily on pattern recognition or use option 2 specified in paragraph above.

YES NO N/A

See Table 10 below.

Table 10. CCV Criteria

Criteria	Action	
	Detected Associated Compounds	Non-Detected Associated Compounds
RT out of RT window	Use professional judgement	
%D not within +/- 20%	J	UJ
Time elapsed greater than section 9.12 criteria.	R	
%D, time elapsed, RT are all within acceptable limits.	No qualifications	

9.18 Are there any transcription/calculation errors between raw data and data summary forms? 11

ACTION: If large errors exists, call lab for explanation/resubmittal, make any necessary corrections and document the effect in data assessments under "Conclusions".

10.0 Analytical Sequence Check (Form VIII-PEST/Equivalent)

10.1 Have all samples been listed on CLP Form VIII or equivalent, and are separate forms present for each column? 11

ACTION: If no, take action specified in 3.2 above.

10.2 Was the proper analytical sequence followed for each initial calibration and subsequent analyses? 11

ACTION: If no, use professional judgement to determine the severity of the effect on the data and qualify it

accordingly. Generally, the effect is negligible unless the sequence was grossly altered or the calibration was also out of limits.

11.1 Method 8081B permits a variety of extraction techniques to be used for sample preparation. Which extraction procedure was used?

1. Separatory funnel (Method 3510) _____
2. Continuous liquid-liquid extraction
(Method 3520) _____
3. Solid phase extraction (Method 3535) _____
4. Other _____

1. Soxhlet (Method 3540) _____
2. Automated Soxhlet (Method 3541) _____
3. Pressurized fluid (Method 3545) _____
4. Microwave extraction (Method 3546) _____
5. Ultrasonic extraction (Method 3550) _____
6. Supercritical fluid (Method 3562) _____
7. Other _____

11.2 Is Form IX - Pest-1/Equivalent present and complete for each lot of Florisil/Cartridges used? (Florisil Cleanup, Method 3620A, is required for all organochlorine pesticide extracts.) [] ✓

YES NO N/A

ACTION: If no, take action specified in 3.2 above. If data suggests that florisil cleanup was not performed, make note in the reviewer narrative.

NOTE: Method 3620A uses Florisil, while the SOW/CLP allows for Florisil cartridges. Method 3620A does not list which pesticides and surrogate(s) to use to verify column efficiency. The reviewer must check project plan to verify method used as well as the correct pesticide list. If not stated or available, use the CLP listing or accept what the laboratory used.

11.3 Are all samples listed on modified CLP Pesticide Florisil/Cartridge Check Form?

☒ /

ACTION: If no, take action specified in 3.2 above.

11.4 If GPC Cleanup was performed, is Form IX - Pest-2/ Equivalent present?

☒ /

ACTION: If GPC was not performed and sample results indicate significant sulfur interference, make note in the data assessment.

NOTE: GPC cleanup is not required and is optional. The reviewer should check Project Plan to verify requirement.

11.5 Were the same compounds on Form IX used to check the efficiency of the cleanup procedures?

☒ /

11.6 Are percent recoveries (% R) of the pesticide and surrogate compounds used to check the efficiency of the cleanup procedures within QC limits listed on Form IX:

80-120% for florisil cartridge check?

☒ /

80-110% for GPC calibration?

☒ /

YES NO N/A

Qualify only the analyte(s) which fail the recovery criteria as follows:

ACTION: If % R are < 80%, qualify positive results "J" and quantitation limits "UJ". Non-detects should be qualified "R" if zero %R was obtained for pesticide compounds. Qualify positive results "J" (estimated).

NOTE: If 2,4,5-trichlorophenol was used to measure the efficiency of the Florisil cleanup and the recovery was > 5%, sample data should be evaluated for potential interferences.

12.0 Pesticide Identification

12.1 Has CLP Form X, showing retention time data for positive results on the two GC columns, been completed for every sample in which a pesticide was detected?

☒ — —

ACTION: If no, take action specified in 3.2 above, or compile a list comparing the retention times for all sample hits on the two columns.

12.2 Are there any transcription/calculation errors between raw data and data summary forms (initial calibration summaries, calibration verification summaries, analytical sequence summaries, GPC and Florisil cleanup verification forms)?

— ☒ —

ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and note error in the data assessment.

12.3 Are retention times (RT) of sample compounds within the established RT windows for both analyses?

☒ — —

Note: Confirmation can be supported by other qualitative techniques such as GC/MS (Method 8270), or GC/AED (Method 8085) if sensitivity permits.

YES NO N/A

ACTION: Qualify as unusable (R) all positive results which were not confirmed by second GC column analysis. Also qualify "R", unusable, all positive results not within RT windows unless associated standard compounds are similarly biased. The reviewer should use professional judgement to assign an appropriate quantitation limit.

12.4 Check chromatograms for false negatives, especially if RT windows on each column were established differently (see section 9.7 above). Also check for false negatives among the multiple peak compounds toxaphene and chlordane. Were there any false negatives?

— 11 — ✓

ACTION: Use professional judgement to decide if the compound should be reported. If there is reason to believe that peaks outside retention RT windows should be reported, make corrections to data summary forms (Form I) and note in data assessment.

12.5 Was GC/MS confirmation used as the second column Confirmation? (This is not required).

11 — ✓

12.6 Is the percent difference (%D) calculated for the positive sample results on the two GC columns <25.0%?

11 — ✓

NOTE: The method 8081B requires quantitation from one column. The second column is to confirm the presence of an analyte. Calibration for the Confirmation column is a one point calibration. It is the reviewer's responsibility to verify from the project plan what the lab was required to report. If the lab was required to report concentrations from both columns, continue with validation for % Difference. If required, but not reported, either contact the lab for results or calculate the concentrations from the calibration. If not required, skip this section. Document actions in Data Assessment.

YES NO N/A

ACTION: If the reviewer finds neither column shows interference for the positive hits, the data should be qualified as follows:

<u>% Difference</u>	<u>Qualifier</u>
0-25%	none
26-70%	"J"
71-100%	"NJ"
101-200% (No Interference)	"R"
101-200% (Interference detected)	"NJ"
>50% (Pesticide vale is <CRQL)	"U"
>201%	"R"

Note: The lower of the two values is reported on Form I. If using professional judgement, the reviewer determines that the higher result was more acceptable, the reviewer should replace the value and indicate the reason for the change in the data assessment.

13.0 Compound Quantitation and Reported Detection Limits

13.1 Are there any transcription/calculation errors in Form I results? Check at least two positive values. Were any errors found? 11

NOTE: Single-peak pesticide results can be checked for rough agreement between quantitative results obtained on the two GC columns. The reviewer should use professional judgement to decide whether a much larger concentration obtained on one column versus the other indicates the presence of an interfering compound. If an interference is suspected, the lower of the two values should be reported and qualified according to section 12.6 above. This necessitates a determination of an estimated concentration on the confirmation column. The narrative should indicate that the presence of interferences has led to the quantitation of the second column confirmation results.

YES NO N/A

13.2 Are the EDLs (Estimated Detection Limits) adjusted to reflect sample dilutions and, for soils, % moisture?

☒ — —

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and document effect in data assessments.

ACTION: When a sample is analyzed at more than one dilution, the lowest EDLs are used (unless a QC exceedance dictates the use of the higher EDL data from the diluted sample analysis). Replace concentrations that exceed the calibration range in the original analysis by crossing out the value on the original Form I and substituting it with data from the analysis of diluted sample. Specify which Form I is to be used, then draw a red "X" across the entire page of all Form I's that should not be used, including any in the summary package.

ACTION: EDLs affected by large, off-scale peaks should be qualified as unusable, "R". If the interference is on-scale, the reviewer can provide a modified EDL flagged "UJ" for each affected compound.

14.0 Chromatogram Quality

14.1 Were baselines stable?

☒ — —

14.2 Were any electropositive displacement (negative peaks) or unusual peaks seen?

— ☒ —

ACTION: Note all system performance problems in the data assessment.

15.0 Field Duplicates

15.1 Were any field duplicates submitted for organochlorine pesticide analysis?

☒ — —

ACTION: Compare the reported results for field duplicates and calculate the relative percent difference.

ACTION: Any gross variation between field duplicate results must be addressed in the reviewer narrative. However, if large differences exist, the identity of the field duplicates is questionable. An attempt should be made to determine the proper identification of field duplicates.

Site: Glen Isle
Laboratory: Test America Buffalo, NY
Report No.: 480-55157-1
Reviewer: Christina Rink and Ming Hwang/Laboratory Data Consultants for RXR
Glen Isle Partners, LLC
Date: April 18, 2014

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
CC-C-048-0-2	480-55157-1	Metals
CC-C-048-4-6	480-55157-3	Metals
CC-C-048-8-10**	480-55157-4	Metals
CC-C-049-0-2	480-55157-5	Metals
CC-C-049-2-4	480-55157-6	Metals
CC-C-049-8-10	480-55157-7	Metals
CC-C-050-0-2	480-55157-8	Metals
CC-C-050-2-4	480-55157-9	Metals
CC-C-050-8-10	480-55157-10	Metals
DUP027	480-55157-11	Metals
CC-C-051-0-2**	480-55157-12	Metals
CC-C-051-2-4	480-55157-13	Metals
CC-C-051-8-10	480-55157-14	Metals
CC-C-052-0-2**	480-55157-15	Metals
CC-C-052-2-4	480-55157-16	Metals
CC-C-052-8-10	480-55157-17	Metals
LT-G-026-0-2	480-55157-18	Metals
LT-G-026-4-6	480-55157-19	Metals
LT-G-026-6-8	480-55157-20	Metals
LT-G-027-0-2	480-55157-21	Metals
LT-G-027-2-4**	480-55157-22	Metals
LT-G-027-8-10	480-55157-23	Metals
LT-C-053-0-2	480-55157-24	Metals
LT-C-053-4-6	480-55157-25	Metals
LT-C-053-6-8	480-55157-26	Metals
LT-C-054-0-2	480-55157-27	Metals
LT-C-054-2-4	480-55157-28	Metals
LT-C-057-0-2	480-55157-29	Metals
LT-C-057-2-4	480-55157-30	Metals
LT-C-057-6-8	480-55157-31	Metals
FB028	480-55157-32	Metals
CC-C-048-4-6MS	480-55157-3MS	Metals
CC-C-048-4-6MSD	480-55157-3MSD	Metals
LT-G-027-0-2MS	480-55157-21MS	Metals
LT-G-027-0-2MSD	480-55157-21MSD	Metals

Associated QC Samples(s):

Field/Trip Blanks: FB028

Field Duplicate pair: CC-C-050-8-10 and DUP027

The above-listed soil and water samples were collected on February 21, 2014 and were analyzed for metals by SW-846 methods 6010C, 7470A, and 7471B. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for the Evaluation of Metals for the Contract Laboratory Program*, SOP HW-2, Revision 13 (September 2006) and the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, EPA 540-R-10-011* (January 2010), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- Instrument Calibration
- Contract Required Quantitation Limit (CRQL) Standard Recoveries
- Blank Analysis Results
- Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
- Matrix Spike (MS) Results
- Laboratory Duplicate Results
- Field Duplicate Results
- Laboratory Control Sample (LCS)/Certified Reference Material (CRM) Results
- Serial Dilution Results
- Moisture Content
- Detection Limits Results
- Sample Quantitation Results

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers.

Samples indicated by a double asterisk on the front cover underwent Category B review. A Category A review was performed on all of the other samples. Calibration and raw data were not evaluated for the samples reviewed by Category A criteria since this review is based on QC data.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All criteria were met for samples on which a Category B review was performed. Calibration data were not evaluated for the samples reviewed by Category A criteria.

CRQL Standard Recoveries

All criteria were met. CRQL recoveries were not evaluated for the samples reviewed by Category A criteria.

Blank Results

Analytes were detected below the reporting limits in the laboratory method blank sample. Instrument blanks were not evaluated for Category A. The following table summarizes the contamination and validation actions taken.

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
PB (prep blank)	Calcium Iron Manganese Zinc	3.41 mg/Kg 3.09 mg/Kg 0.0627 mg/Kg 0.331 mg/Kg		CC-C-048-0-2 CC-C-048-4-6 CC-C-048-8-10** CC-C-049-0-2 CC-C-049-2-4 CC-C-049-8-10 CC-C-050-0-2 CC-C-050-2-4 CC-C-050-8-10 DUP027 CC-C-051-0-2** CC-C-051-2-4 CC-C-051-8-10 CC-C-052-0-2** CC-C-052-2-4 CC-C-052-8-10 LT-G-026-0-2 LT-G-026-4-6 LT-G-026-6-8
PB (prep blank)	Calcium Iron Manganese Zinc	11.56 mg/Kg 2.19 mg/Kg 0.0440 mg/Kg 0.367 mg/Kg		LT-G-027-0-2 LT-G-027-2-4** LT-G-027-8-10 LT-C-053-0-2 LT-C-053-4-6 LT-C-053-6-8 LT-C-054-0-2 LT-C-054-2-4 LT-C-057-0-2 LT-C-057-2-4 LT-C-057-6-8

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
PB (prep blank)	Iron Manganese Zinc	0.0318 mg/L 0.00228 mg/L 0.00172 mg/L		FB028

Blank Actions for analytes detected below the reporting limit(RL).

If the sample result is < RL, report the result as nondetect (U) at the RL.

If the sample result is > RL or nondetect, no action is required.

Blank Actions for analytes detected above the reporting limit or RL.

If the sample result is < RL and < action level; report the result as nondetect (U) at the RL.

If the sample result is > RL and < action level; report the result as nondetect (U) at the reported value.

If the sample result is > action level or nondetect, no action is required.

Qualified sample results are listed in the table below.

Sample	Analyte	Reported Level	Validation Action
LT-G-026-0-2	Zinc	8.5 mg/Kg	13.5U mg/Kg
LT-C-057-2-4	Calcium	231 mg/Kg	306U mg/Kg
LT-C-057-6-8	Calcium Zinc	253 mg/Kg 11.0 mg/Kg	287U mg/Kg 11.5U mg/Kg
FB028	Zinc	0.0016 mg/L	0.010U mg/L

These results can be used for project objectives as nondetect (U) which may have a minor impact on the data usability.

FB028 were identified as a field blank. No analytes were detected above the reporting limits in the field blank sample.

ICP ICS Results

All analytes were recovered within control limits in the ICSA and ICSAB analyses on which a Category B review was performed. ICP ICS data were not evaluated for the samples reviewed by Category A criteria.

MS/MSD Results

The laboratory performed MS and MSD analyses on samples CC-C-048-4-6 and LT-G-027-0-2 for metals. The following table lists the analytes which exhibited recoveries outside of the control limits of 75 - 125% in the MS/MSD and the resulting validation actions.

MS Sample	Analyte	MS %R	MSD %R	RPD Limits	QC Limits	Associated Samples	Validation Actions
CC-C-048-4-6MS/MSD	Aluminum	194	238	-	75-125	CC-C-048-0-2	J detects
	Barium	229	-	49 (≤ 35)	75-125	CC-C-048-4-6	J detects
	Chromium	172	145	-	75-125	CC-C-048-8-10**	J detects
	Copper	309	-	73 (≤ 35)	75-125	CC-C-049-0-2	J detects
	Lead	401	44	79 (≤ 35)	75-125	CC-C-049-2-4	J detects
	Magnesium	178	-27	73 (≤ 35)	75-125	CC-C-049-8-10	J detects
	Nickel	150	-	-	75-125	CC-C-050-0-2	J detects
	Zinc	792	53	122 (≤ 35)	75-125	CC-C-050-2-4	J detects
	Calcium	-	-	61 (≤ 35)	75-125	CC-C-050-8-10	J detects
	Iron	-	-	40 (≤ 35)	75-125	DUP027	J detects
	Manganese	-	-	77 (≤ 35)	75-125	CC-C-051-0-2**	J detects
						CC-C-051-2-4	
						CC-C-051-8-10	
						CC-C-052-0-2**	
						CC-C-052-2-4	
						CC-C-052-8-10	
						LT-G-026-0-2	
						LT-G-026-4-6	
						LT-G-026-6-8	
LT-G-027-0-2MS/MSD	Aluminum	274	129	-	75-125	LT-G-027-0-2	J detects
	Manganese	28	-21	-	75-125	LT-G-027-2-4**	J detects
	Potassium	126	-	-	75-125	LT-G-027-8-10	J detects
	Barium	-	264	50 (≤ 35)	75-125	LT-C-053-0-2	J detects
	Lead	-	240	49 (≤ 35)	75-125	LT-C-053-4-6	J detects
	Magnesium	-	62	-	75-125	LT-C-053-6-8	J detects
	Zinc	72	-	-	75-125	LT-C-054-0-2	J detects
	Mercury	-	133	-	75-125	LT-C-054-2-4	J detects
						LT-C-057-0-2	
						LT-C-057-2-4	
						LT-C-057-6-8	

Estimate (J) the positive aluminum, chromium, nickel, potassium, and mercury results for the samples listed above due to high MS percent recovery results. The results may be biased high. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Estimate (J) the positive barium, copper, lead, magnesium, zinc, and lead results for the samples listed above due to high MS percent recovery and MS/MSD RPD results. The direction of the bias cannot be determined from this nonconformance. The results can be used for project objectives as estimated values which may have a minor impact on the data usability.

Estimate (J) the positive calcium, iron, and manganese results for the samples listed above due to high MS/MSD RPD results. The direction of the bias cannot be determined from this nonconformance. The results can be used for project objectives as estimated values which may have a minor impact on the data usability.

Laboratory Duplicate Results

Laboratory duplicates were not associated with this sample set. Validation action was not required on this basis.

Field Duplicate Results

Analytes were detected in the field duplicate samples. The following table summarizes the concentrations and validation actions taken.

Analyte	Concentration (mg/Kg)		RPD (Limits)	Difference (Limits)	Validation Actions
	CC-C-050-8-10	DUP027			
Aluminum	4250	4760	11 (≤ 100)	-	-
Antimony	2.0	1.8	-	0.2 (≤ 170.6)	-
Arsenic	19.4	11.3	-	8.1 (≤ 22.8)	-
Barium	17.2	42.2	84 (≤ 100)	-	-
Beryllium	0.26	0.30	-	0.04 (≤ 2.2)	-
Cadmium	0.54	0.72	-	0.18 (≤ 2.2)	-
Calcium	1240	1620	27 (≤ 100)	-	-
Chromium	13.5	18.0	29 (≤ 100)	-	-
Cobalt	3.6	4.2	-	0.6 (≤ 5.6)	-
Copper	27.0	39.2	37 (≤ 100)	-	-
Iron	10100	10900	8 (≤ 100)	-	-
Lead	37.5	53.6	35 (≤ 100)	-	-
Magnesium	1300	1500	14 (≤ 100)	-	-
Manganese	99.5	107	7 (≤ 100)	-	-
Nickel	7.8	9.2	-	1.4 (≤ 56.8)	-
Potassium	949	1120	17 (≤ 100)	-	-
Selenium	1.0	22.6U	-	21.6 (≤ 45.4)	-
Silver	1.7	2.3	-	0.6 (≤ 5.6)	-
Sodium	373	440	-	67 (≤ 1592)	-
Vanadium	15.1	17.2	13 (≤ 100)	-	-
Zinc	63.3	78.5	21 (≤ 100)	-	-
Mercury	0.084	0.14	50 (≤ 100)	-	-

--no action required

For soil results > 5xRL and RPDs > 100; estimate (J) results in the field duplicate pair.

For soil results < 5xRL; the sample and duplicate results must be within 2XRL.

LCS/CRM Results

All criteria were met.

Serial Dilution Results

A serial dilution analysis was performed on samples CC-C-048-4-6 and LT-G-027-0-2 for metals. Analytes that did not meet the criteria are summarized in the following table.

Diluted Sample	Analyte	%D (Limits)	Associated Samples	Validation Actions
CC-C-048-4-6	Aluminum	12 (≤ 10)	CC-C-048-0-2	J detects
	Barium	11 (≤ 10)	CC-C-048-4-6	J detects
	Chromium	15 (≤ 10)	CC-C-048-8-10**	J detects
	Iron	23 (≤ 10)	CC-C-049-0-2	J detects
	Magnesium	12 (≤ 10)	CC-C-049-2-4	J detects
	Manganese	12 (≤ 10)	CC-C-049-8-10	J detects
	Vanadium	12 (≤ 10)	CC-C-050-0-2	J detects
	Zinc	12 (≤ 10)	CC-C-050-2-4	J detects
			CC-C-050-8-10	
			DUP027	
			CC-C-051-0-2**	
			CC-C-051-2-4	
			CC-C-051-8-10	
			CC-C-052-0-2**	
			CC-C-052-2-4	
			CC-C-052-8-10	
			LT-G-026-0-2	
			LT-G-026-4-6	
			LT-G-026-6-8	
LT-G-027-0-2	Aluminum	63 (≤ 10)	LT-G-027-0-2	J detects
	Barium	62 (≤ 10)	LT-G-027-2-4**	J detects
	Calcium	66 (≤ 10)	LT-G-027-8-10	J detects
	Chromium	66 (≤ 10)	LT-C-053-0-2	J detects
	Cobalt	66 (≤ 10)	LT-C-053-4-6	J detects
	Copper	61 (≤ 10)	LT-C-053-6-8	J detects
	Iron	64 (≤ 10)	LT-C-054-0-2	J detects
	Lead	66 (≤ 10)	LT-C-054-2-4	J detects
	Magnesium	70 (≤ 10)	LT-C-057-0-2	J detects
	Manganese	69 (≤ 10)	LT-C-057-2-4	J detects
	Potassium	63 (≤ 10)	LT-C-057-6-8	J detects
	Vanadium	64 (≤ 10)		J detects
	Zinc	67 (≤ 10)		J detects

The positive results for aluminum, barium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, potassium, vanadium, and zinc were qualified as estimated (J) due to high percent difference in the serial dilution analysis. The direction of the bias cannot be determined from this nonconformance. The results can be used for project objectives as estimated values which may have a minor impact on the data usability.

Moisture Content

All criteria were met.

Detection Limits Results

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL). These results were estimated (J) by the laboratory.

No dilutions were required.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

- U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.
- J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.
- UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.
- R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 31445C4
SDG #: 480-55157-1
Laboratory: Test America, Inc.

VALIDATION COMPLETENESS WORKSHEET
Cat A/Cat B

Date: 3/17/14
Page: 1 of 1
Reviewer: [Signature]
2nd Reviewer: [Signature]

METHOD: Metals (EPA SW 846 Method 6010C/7000) ^{74713/ 7470A}

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/21/14
II.	ICP/MS Tune	MB	Not reviewed for Cat A review
III.	Calibration	A	Not reviewed for Cat A review.
IV.	Blanks	SW	243/CCB ↓
V.	ICP Interference Check Sample (ICS) Analysis	A	Not reviewed for Cat A review.
VI.	Matrix Spike Analysis	SW	
VII.	Duplicate Sample Analysis	N	
VIII.	Laboratory Control Samples (LCS)	A	LCS, CRM
IX.	Internal Standard (ICP-MS)	NA	
X.	ICP Serial Dilution	SW	Not reviewed for Cat A review.
XI.	Sample Result Verification	A	Not reviewed for Cat A review. ^{mon < Results < RL. TBA}
XII.	Overall Assessment of Data	A	
XIII.	Field Duplicates	SW	(9, 10)
XIV.	Field Blanks	MB	FB=3 CRV.

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

1	CC-C-048-0-2	11	CC-C-051-0-2	21	LT-G-027-2-4	31	FB028 *
2	CC-C-048-4-6	12	CC-C-051-2-4	22	LT-G-027-8-10	32	CC-C-048-4-6MS
3	CC-C-048-8-10	13	CC-C-051-8-10	23	LT-C-053-0-2	33	CC-C-048-4-6MSD
4	CC-C-049-2-4	14	CC-C-052-0-2	24	LT-C-053-4-6	34	LT-G-027-0-2MS
5	CC-C-049-2-4	15	CC-C-052-2-4	25	LT-C-053-6-8	35	LT-G-027-0-2MSD
6	CC-C-049-8-10	16	CC-C-052-8-10	26	LT-C-054-0-2	36	MB
7	CC-C-050-0-2	17	LT-G-026-0-2	27	LT-C-054-2-4	37	
8	CC-C-050-2-4	18	LT-G-026-4-6	28	LT-C-057-0-2	38	
9	CC-C-050-8-10	19	LT-G-026-6-8	29	LT-C-057-2-4	39	
10	DUP027	20	LT-G-027-0-2	30	LT-C-057-6-8	40	

Notes: _____

Comments: Mercury by CVAA if performed

VALIDATION FINDINGS WORKSHEET
PB/ICB/CCB QUALIFIED SAMPLES

METHOD: Trace Metals (SW 846 6010C/7471B/7470A)

Soil preparation factor applied: _____

Sample Concentration units, unless otherwise noted: mg/KgAssociated Samples: 1-19

					Sample Identification									
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit	17									
Ca	3.41													
Fe	3.09													
Mn	0.0627													
Zn	0.331				8.5/13.5									

Sample Concentration units, unless otherwise noted: mg/KgAssociated Samples: 20-30

					Sample Identification									
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit	29	30								
Ca	11.56				231/306	253/287								
Fe	2.19													
Mn	0.0440													
Zn	0.367					11.0/11.5								

Sample Concentration units, unless otherwise noted: mg/LAssociated Samples: 31

					Sample Identification									
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit	31									
Fe		0.0318												
Mn		0.00228												
Zn		0.00172			0.0016/0.010									

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".
 Note : a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

VALIDATION FINDINGS WORKSHEET **Matrix Spike/Matrix Spike Duplicates**

Page: 1 of 1
 Reviewer: [Signature]
 2nd Reviewer: [Signature]

METHOD: Trace metals (EPA SW 846 Method 6010C/7471B/7470A)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

- Y N N/A Was a matrix spike analyzed for each matrix in this SDG?
Y N N/A Were matrix spike percent recoveries (%R) within the control limits of 75-125? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.
Y N N/A Were all duplicate sample relative percent differences (RPD) within the control limits of 35 for soil and 20 for water?

LEVEL IV ONLY:

- Y N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	MS/MSD ID	Matrix	Analyte	MS %Recovery	MSD %Recovery	RPD (Limits)	Associated Samples	Qualifications
1	32/33	Soil	Al	194	238		1-19	J det (All det)
			Ba	229		49		
			Cr	172	145			
			Cu	309		73		
			Pb	401	44	79		J/UJ (All det)
			Mg	178	-27	73		J/R (All det)
			Ni	150				J det (All det)
			Zn	792	53	122		J/UJ (All det)
			Ca			61		J det (All det)
			Fe			40		
			Mn			77		
2	34/35		Al	274	129		20-30	J det (All det)
			Mn	28	-21			J/R (All det)
			K	126				J det (All det)
			Ba		264	50		
			Pb		240	49		
			Mg		62			J/UJ (All det)
			Zn	72				
			Hg		133			J det (All det)

Comments: 32/33:Ca, Fe, Mn >4X,34/35: Fe >4X, no qual for %R

VALIDATION FINDINGS WORKSHEET **ICP Serial Dilution**

METHOD: Trace Metals (EPA SW846 Method6010C/7471B/7470A)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y ☒ N ☐ N/A If analyte concentrations were > 50X the MDL (ICP) ,or >100X the MDL (ICP/MS), was a serial dilution analyzed?Y ☒ N ☐ N/A Were ICP serial dilution percent differences (%D) ≤10%?Y ☒ N ☐ N/A Is there evidence of negative interference? If yes, professional judgement will be used to qualify the data.**LEVEL IV ONLY:**Y ☒ N ☐ N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Date	Diluted Sample ID	Matrix	Analyte	%D (Limits)	Associated Samples	Qualifications
1		2	Soil	Al	12	1-19	J det (All det)
				Ba	11		
				Cr	15		
				Fe	23		
				Mg	12		
				Mn	12		
				V	12		
				Zn	12		
2		20		Al	63	20-30	J det (All det)
				Ba	62		
				Ca	66		
				Cr	66		
				Co	66		
				Cu	61		
				Fe	64		
				Pb	66		
				Mg	70		
				Mn	69		
				K	63		
				V	64		
				Zn	67		

Comments: 2: K<50XMDL, 20: Ni, Na < 50XMDL

VALIDATION FINDINGS WORKSHEET
Field Duplicates

METHOD: Metals (EPA Method 6010C/7471B)

Compound	Concentration (mg/Kg)		(≤100) RPD	Difference	Limits	Qualifications (Parent Only)
	9	10				
Aluminum	4250	4760	11			
Antimony	2.0	1.8		0.2	(≤170.6)	
Arsenic	19.4	11.3		8.1	(≤22.8)	
Barium	17.2	42.2	84			
Beryllium	0.26	0.30		0.04	(≤2.2)	
Cadmium	0.54	0.72		0.18	(≤2.2)	
Calcium	1240	1620	27			
Chromium	13.5	18.0	29			
Cobalt	3.6	4.2		0.6	(≤5.6)	
Copper	27.0	39.2	37			
Iron	10100	10900	8			
Lead	37.5	53.6	35			
Magnesium	1300	1500	14			
Manganese	99.5	107	7			
Nickel	7.8	9.2		1.4	(≤56.8)	
Potassium	949	1120	17			
Selenium	1.0	22.6U		21.6	(≤45.4)	
Silver	1.7	2.3		0.6	(≤5.6)	
Sodium	373	440		67	(≤1592)	
Vanadium	15.1	17.2	13			
Zinc	63.3	78.5	21			
Mercury	0.084	0.14	50			

DC #: 21445c4

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Page: 1 of 1
Reviewer: [Signature]
2nd Reviewer: [Signature]

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$\%R = \frac{\text{Found}}{\text{True}} \times 100$ Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	m Found (ug/L)	m True (ug/L)	Recalculated	Reported	Acceptable (Y/N)
					%R	%R	
<u>ICV</u>	ICP (Initial calibration)	<u>Zn</u>	<u>0.3766</u>	<u>0.375</u>	<u>100</u>	<u>100</u>	<u>Y</u>
	ICP/MS (Initial calibration)						
<u>ICV</u>	CVAA (Initial calibration)	<u>Hg</u>	<u>0.00297</u>	<u>0.0030</u>	<u>99</u>	<u>99</u>	<u>Y</u>
<u>CCV</u>	ICP (Continuing calibration)	<u>Cu</u>	<u>0.520</u>	<u>0.500</u>	<u>104</u>	<u>104</u>	<u>↓</u>
	ICP/MS (Continuing calibration)						
<u>CCV</u>	CVAA (Continuing calibration)	<u>Hg</u>	<u>0.00203</u>	<u>0.0020</u>	<u>102</u>	<u>102</u>	<u>Y</u>
	GFAA (Initial calibration)						
	GFAA (Continuing calibration)						

Comments: Refer to Calibration Verification findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the calculated results.

DC #: 3144524

VALIDATION FINDINGS WORKSHEET Level IV Recalculation Worksheet

Page: 1 of 1
Reviewer: [Signature]
2nd Reviewer: [Signature]

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$$R = \frac{\text{Found}}{\text{True}} \times 100$$

Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$$PD = \frac{|S-D|}{(S+D)/2} \times 100$$

Where, S = Original sample concentration
D = Duplicate sample concentration

n ICP serial dilution percent difference (%D) was recalculated using the following formula:

$$D = \frac{|I-SDR|}{I} \times 100$$

Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (units)	True / D / SDR (units)	Recalculated	Reported	Acceptable (Y/N)
					%R / RPD / %D	%R / RPD / %D	
<u>245A</u>	ICP interference check	<u>Ag</u>	<u>0.1121</u>	<u>0.100</u>	<u>112</u>	<u>112</u>	<u>Y</u>
<u>245</u>	Laboratory control sample	<u>Ni</u>	<u>113.3</u>	<u>153</u>	<u>113.3</u>	<u>113.4</u>	<u>Y</u>
<u>32</u>	Matrix spike	<u>Na</u>	(SSR-SR) <u>2184</u>	<u>2010</u>	<u>109</u>	<u>109</u>	<u>Y</u>
<u>34/35</u>	Duplicate	<u>Sb</u>	<u>44.48</u>	<u>38.45</u>	<u>15</u>	<u>15</u>	<u>Y</u>
<u>2</u>	ICP serial dilution	<u>Zn</u>	<u>0.1446</u>	<u>0.6665</u> <u>0.11105</u>	<u>12</u>	<u>12</u>	<u>Y</u>

Comments: Refer to appropriate worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

Note: _____

USEPA Region 2
Evaluation of Metals Data for the Contract Laboratory Program
Data Assessment and Contract Compliance Review

SOP: HW-2 Revision 13

Appendix A.1

Sept. 2006

(b) Form I's?

YES NO N/A

☒ ☐ ☐

Is the number of samples on the Cover
Page the same as the number of
samples on the Traffic Report sheet
and the Regional Record of Communication
(ROC) for the data Case?

☐ ☐ ☒

ACTION:

If no for any of the above, prepare
Telephone Record Log and contact RSCC/PO
for re-submittal of the corrected Cover Page
from the laboratory.

A.1.6 SDG Narrative, DC-1 & DC-2 Form

Is the SDG Narrative present?

☒ ☐ ☐

Is Sample Log-In Sheet(Form DC-1)
present and complete?

☐ ☐ ☒

Is Complete SDG Inventory Sheet(Form DC-2)
present and complete?

☐ ☐ ☒

ACTION:

If no, write in the Contract-Problems/
Non-Compliance Section of the Data Review
Narrative.

A.1.7 Form I to XV

A.1.7.1 Are all the Form I through Form XV
labeled with:

Laboratory Name?

☒ ☐ ☐

Laboratory Code?

☐ ☐ ☒

RAS/Non-RAS Case No.?

☒ ☐ ☐

SDG No.?

☒ ☐ ☐

USEPA Region 2
Evaluation of Metals Data for the Contract Laboratory Program
Data Assessment and Contract Compliance Review

SOP: HW-2 Revision 13

Appendix A.1

Sept. 2006

YES NO N/A

A.1.1 Contract Compliance Screening Report

Present?

☒ ☐ ☐

ACTION: If no, contact RSCC/PO.

A.1.2 Record of Communication (from RSCC)

Present?

☒ ☐ ☐

ACTION: If no, request from the RSCC.

A.1.3 Sampling Trip Report

Present and complete?

☒ ☐ ☐

ACTION: If no, contact RSCC/PO.

A.1.4 Chain of Custody/Sample Traffic Report

Present?

☒ ☐ ☐

Legible?

☒ ☐ ☐

Signature of sample custodian
present?

☒ ☐ ☐

ACTION: If no, contact RSCC/WAM/PO.

A.1.5 Cover Page

Present?

☒ ☐ ☐

Is the Cover Page properly filled in
and the verbatim signed by the lab
manager or the manager's designee?

☒ ☐ ☐

Do the sample identification numbers
on the Cover Page agree with sample
Identification numbers on:

(a) Traffic Report Sheet?

☐ ☐ ☒

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Contract No.?

YES	NO	N/A
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ACTION:

If no for any of the above, note under Contract Problem/Non-Compliance Section of the "Data Review Narrative" and contact PO for corrected Form(s) from the laboratory.

A.1.7.2 After comparing values on Forms I-IX against the raw data, do any computation/transcription errors exceed 10% of the reported values on the Forms for:

(a) all analytes analyzed by ICP-AES?

☐ ☒ ☐

(b) all analytes analyzed by ICP-MS?

☐ ☐ ☒

(c) Mercury?

☐ ☒ ☐

(d) Cyanide?

☐ ☐ ☒

ACTION:

If yes, prepare Telephone Record Log and contact CLP PO/TOPO for the corrected data from the laboratory.

A.1.8 **Raw Data**

Data shall not be validated without the hard/electronic copies of the associated raw data for samples and QC samples.

A.1.8.1 Digestion/Distillation Log

Digestion Log for ICP-AES
(Form XII) present?

☒ ☐ ☐

Digestion Log for ICP-MS
(Form XII) present?

☐ ☐ ☒

Digestion Log for mercury
(Form XII) present?

☒ ☐ ☐

Distillation Log for cyanide
(Form XII) present?

☐ ☐ ☒

Are pH values for metals and

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YES NO N/A

cyanide reported for each
aqueous sample?

☒ _ _

Are percent solids calculations
present for soils/sediments?

☒ _ _

Are preparation dates present on the
sample preparation logs/bench sheets?

☒ _ _

NOTE:

Digestion/Distillation log must include weights, volumes,
and dilutions used to obtain the reported results.

A.1.8.2 Is the analytical instrument
real-time printouts present for:

ICP-AES?

☒ _ _

ICP-MS?

☐ _ ☒

Mercury?

☒ _ _

Cyanide?

☐ _ ☒

Are all laboratory bench sheets
and instrument raw data printouts
necessary to support all sample
analyses and QC operations:

Legible?

☒ _ _

Properly labeled?

☒ _ _

Are all field samples, QC samples
and field QC samples present on:

Digestion/Distillation log?

☒ _ _

Instrument Printouts?

☒ _ _

ACTION:

If no for any of the above questions in
Section A.1.8.1 and Section A.1.8.2, write
Telephone Record Log and contact TOPO/PO
for re-submittal from the laboratory.

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YES NO N/A

A.1.9 Technical Holding Times: (Aqueous and soil samples)

(Examine sample Traffic Reports and digestion/distillation logs to determine the holding time from the sample collection date to the sample preparation date.)

A.1.9.1 Cyanide distillation(14 days)exceeded? ☐ ☒

Mercury analysis(28 days) exceeded? ☐ ☒

Other Metals analysis(180 days)exceeded? ☐ ☒

ACTION:

If yes, reject (R) and red-line non-detects and flag as estimated (J)results \geq MDL even if sample(s) was preserved properly.

NOTE:

In addition to qualifying the data, a list of all samples and analytes which exceeded the holding times must be prepared. Report for each sample the number of days that were exceeded. (Subtract the sample collection date from the sample preparation date). Attach this list to the data review narrative.

A.1.9.2 Is pH of aqueous samples for:

Metals Analysis ≤ 2 ? ☒ ☐ ☐

Cyanide Analysis ≥ 12 ? ☐ ☐ ☒

ACTION:

If no for any of the above, flag non-detects as "R" and detects as "J".

A.1.9.3 Is the cooler temperature ≤ 10 C°? ☒ ☐ ☐

ACTION:

If cooler temperature is $>10^{\circ}\text{C}$, flag non-detects as "UJ" and detects as "J".

A.1.10 Final Data Correctness - Form I

A.1.10.1 Are Form I's for all samples

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YES NO N/A

present and complete?

☒ ☐ ☐

ACTION:

If no, prepare Telephone Record
Log and contact CLP PO/TOPO for
submittal from the laboratory.

A.1.10.2 Verify there are no calculation and transcription errors in the results
reported on Form I's. Circle on each Form I all results that are incorrect.

Is the calculation error less than 10% of the correct result? ☒ ☐ ☐

Are results on Form I's reported in correct units (ug/L for aqueous and
MG/KG for soils)? ☒ ☐ ☐

Are results on Form I'S reported by correct significant figures? ☒ ☐ ☐

Are soil sample results on Form I's
corrected for percent solids?

☒ ☐ ☐

Are all "less than MDL" values reported
by the CRQLs and coded with "U"?

☒ ☐ ☐

Are values less than the CRQLs
but greater than or equal to the
MDLs flagged with "J"?

☒ ☐ ☐

Are appropriate contractual quality
control and Method qualifiers used?

☒ ☐ ☐

ACTION:

If no for any of the above questions,
prepare Telephone Record Log, and contact
CLP PO/TOPO for corrected data.

A.1.10.3 Do EPA sample identification numbers
and the corresponding laboratory
sample identification numbers match
on the Cover Page, Form I's and
in the raw data?

☒ ☐ ☐

Was a brief physical description

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YES NO N/A

of the samples before and after
digestion given on the Form I's?

[] ☒ —

Was any sample result outside the
mercury/cyanide calibration range
or the ICP-AES/ICP-MS linear range
diluted and noted on the Form I?

[] — ☒

ACTION:

If no for any of the above, note under
the Contract-Problem/Non-Compliance
Section of the Data Review Narrative.

A.1.11 Initial Calibration

A.1.11.1 Is a record of at least 2 point
(A blank and a standard)calibration
present for ICP-AES analysis?

☒ — —

Is a record of at least 2 point
(a blank and a standard)calibration
present for ICP-MS analysis?

[] — ☒

Is a record of at least 5 point calibration
(a blank & 4 standards)present for Hg analysis?

☒ — —

Is a record of at least 4 point calibration
(a blank & 4 standards)present for cyanide?

[] — ☒

ACTION:

If incomplete or no initial calibration
was performed, reject (R) and red-line
the associated data (detects & non-detects).

Is one initial calibration standard
at the CRQL level for cyanide and
mercury?

☒ — —

ACTION:

If no, write in the Contract Problem/
Non-Compliance Section of the Data
Review Narrative.

A.1.11.2 Is the curve correlation
coefficient ≥ 0.995 for:

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	YES	NO	N/A
Mercury Analysis?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cyanide Analysis?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ICP-AES (more than 2 point Calib.)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ICP-MS (more than 2 point calib.)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ACTION:

If no, qualify the associated sample results \geq MDL as estimated "J" and non-detects as "UJ".

NOTE:

The correlation coefficient shall be calculated by the data validator using standard concentrations and the corresponding instrument response (e.g. absorbance, peak area, peak height, etc.).

A.1.12 Initial and Continuing Calibration Verification- Form IIA

A.1.12.1	Present and complete for every metal and cyanide?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Present and complete for ICP-AES and ICP-MS when both these methods were used for the same analyte?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ACTION:

If no for any of the above, prepare a Telephone Record Log and contact PO/TOPO for re-submittal from the laboratory.

A.1.12.2	Was a Continuing Calibration Verification performed every 10 samples or every 2 hours whichever is more frequent?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
----------	---	-------------------------------------	--------------------------	--------------------------

ACTION:

If no for any of the above, write in the Contract-Problem/Non-Compliance Section of the Data Review Narrative.

A.1.12.3	Was an ICV or a mid-range standard distilled and analyzed with each batch of cyanide samples?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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YES NO N/A

ACTION:

If no for any of the above, write
in the Contract-Problem/Non-Compliance
Section of the Data Review Narrative and
qualify results \geq MDL as estimated (J).

- A.1.12.2 Circle on each Form IIA all percent recoveries
that are outside the contract windows.

Are ICV/CCVs within control limits for:

Metals - 90-110%R?	<input checked="" type="checkbox"/>	___	___
Hg - 80-120%R?	<input checked="" type="checkbox"/>	___	___
Cyanide - 85-115%R?	<input type="checkbox"/>	___	<input checked="" type="checkbox"/>

ACTION:

If no, qualify all samples between a previous technically acceptable CCV
standard and a subsequent technically acceptable CCV standard as
follows as follows:

Qualify as estimated (J) all detects and non-detects,
if the ICV/CCV %R is between 75-89%(65-79% for Hg; 70-84% for CN).
Qualify only positive results(\geq MDL) as "J" if the ICV/CCV %R is
between 111-125%(121-135% for Hg; 116-130% for CN). Reject (R) and
red-line only
detects if the recovery is greater than 125% (135% for Hg; 130% for
CN). Reject (R) and red-line all associated results (hits and non-
detects) if the recovery is less than 75%(65% for Hg; 70% for CN).

NOTE:

For ICV that does not fall within the acceptance limits,
qualify all samples reported from the analytical run.

- A.1.12.3 Was the distilled ICV or mid-range
standard for cyanide within acceptance
limits (85-115%)?

☐ ___ ☒

ACTION:

If no, Qualify all cyanide results \geq MDL as "J".

A.1.13 CRQL Standard Analysis - Form IIB

- A.1.13.1 For each ICP-AES run, was a CRI

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(CRQL or MDL when MDL > CRQL)
standard analyzed?

(Note: CRI is not required for Al, Ba,
Ca, Fe, Mg, Na and K.)

YES NO N/A

☒ ☐ ☐

For each ICP-MS run, was a CRI
(CRQL or MDL when MDL > CRQL) standard
analyzed for each mass/isotope used
for the analysis?

☐ ☐ ☒ ☐

For each mercury run, was a CRQL
standard analyzed?

☒ ☐ ☐

For each cyanide run, was a CRQL
standard analyzed?

☐ ☐ ☒

ACTION:

If no for any of the above, write
this deficiency in the Contract Problems/
Non-Compliance Section of the Data Review
Narrative, inform CLP PO and flag results
in the affected ranges (detects <2xCRQL) as J
and non-detects UJ.

The affected ranges are:

ICP-AES Analysis - *True Value \pm CRQL

ICP-MS Analysis - *True Value \pm CRQL

Mercury Analysis - *True Value \pm CRQL

Cyanide Analysis - *True Value \pm CRQL

* True value of the CRQL Standard

A.1.13.2 Was a CRQL standard analyzed after the
ICV/ICB, before the final CCV/CCB and
once every 20 analytical samples in
the analytical run for each analysis?

☐ ☒ ☐

ACTION:

If no, write in the Contract Problem/
Non-Compliance Section of the
"Data Review Narrative".

A.1.13.3 Circle on each Form IIB all percent
recoveries that are outside the
acceptance windows.

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Is the CRQL standard within control limits for:

YES NO N/A

Metals(ICP-AES/ICP-MS)- 70 - 130%?

[☒] ☐ ☐

Mercury- 70 - 130%?

[☒] ☐ ☐

Cyanide - 70 - 130%?

[☐] ☐ [☒

ACTION:

If no, flag detects <2xCRQL as "J" and non-detects as "UJ" if the CRQL standard recovery is between 50-69%. Flag(J) only detects <2xCRQL if the recovery is between 131% and ≤180%. If the recovery is less than 150%, reject(R) and red-line non-detects and detects < 2xCRQL, and flag (J) detects between 2xCRQL and ICV/CCV. Reject and red-line only detects <2xCRQL and flag (J) detects ≥ 2xCRQL but < ICV/CCV if the recovery is > 180%.

NOTE:

1. Qualify all field samples analyzed between a previous technically acceptable analysis of the CRQL standard and a subsequent acceptable analysis of the CRQL standard
2. Flag (J) or reject (R) only the final sample results on Form I's when Sample raw data are within the affected ranges and the CRQL standard is outside the acceptance windows.
3. The samples and the CRQL standard must be analyzed in the same analytical run.

A.1.14 Initial and Continuing Calibration Blanks - Form III

A.1.14.1 Present and complete for all the instruments used for the metals and cyanide analyses?

[☒] ☐ ☐

Was an initial Calibration Blank analyzed after ICV?

[☒] ☐ ☐

Was a continuing Calibration Blank analyzed after every CCV and every 10 samples or every 2 hours, whichever is more frequent?

[☒] ☐ ☐

Were the ICB & CCB values ≥ MDL but < CRQL reported on Form III and flagged "J" by

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YES NO N/A

using MDLs from direct analysis(Preparation
Method "NP1")?
(Check Form III against the raw data)

[✓]

ACTION:

If no, inform CLP PO/TOPO and make a note
in the Contract-Problems/Non-Compliance
Section of the "Data Review Narrative".

A.1.14.2 Circle with red pencil on each Form III
all Calib. Blank values that are:

\geq MDL but \leq CRQL

$>$ CRQL

A.1.14.2.1 When MDL < CRQL, is any Calib. Blank
value \geq MDL but \leq CRQL?

✓
X

[/]

ACTION:

If yes, change sample results \geq MDL
but \leq CRQL to the CRQL with a "U".
Do not qualify non-detects.

A.1.14.2.2 When MDL < CRQL, is any Calib. Blank
value $>$ CRQL?

[/]

ACTION:

If yes, reject (R) and red line the
associated sample results $>$ CRQL
but $<$ ICB/CCB Blank Result. Flag as "J"
detects $>$ ICB/CCB blank value but
 $<$ 10xICB/CCB value. Change the sample
results \geq MDL but \leq the CRQL to CRQL
with a "U".

A.1.14.2.3 Is any Calibration Blank value
below the negative CRQL?

[✓]

ACTION:

If yes, flag (J) as estimated all
associated sample results \geq CRQL but
 $<$ 10xCRQL.

NOTE:

1. For ICB that does not meet the technical
QC Criteria, apply the action to all samples

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YES NO N/A

reported from the analytical run.

2. For CCBs that do not meet the technical QC criteria, apply the action to all samples analyzed between a previous technically acceptable analysis of CCB and a subsequent technically acceptable analysis of the CCB in the analytical run.

A.1.15 Preparation Blank - FORM III
NOTE: The Preparation Blank for mercury is the same as the calibration blank.

A.1.15.1 Was one Preparation Blank prepared with and analyzed for:

Each Sample Delivery Group (SDG)?

[☒]

Each batch of the SDG samples digested/distilled?

[☒]

Each matrix type?

[☒]

All instruments used for metals and cyanide analyses?

[☒]

ACTION:

If no for any of the above, flag as estimated (J) all the associated positive data $< 10 \times \text{MDL}$ for which the Preparation Blank was not analyzed.

NOTE:

If only one blank was analyzed for more than 20 samples, then the first 20 samples analyzed are not estimated (J), but all additional samples must be qualified (J).

A.1.15.2 Circle with red pencil on each Form III all Prep. Blank values that are:

$\geq \text{MDL}$ but $\leq \text{CRQL}$, and

$> \text{CRQL}$

A.1.15.2.1 When $\text{MDL} < \text{CRQL}$, is any preparation blank value $\geq \text{MDL}$ but $\leq \text{CRQL}$?

[☒]

ACTION:

If yes, change sample result $\geq \text{MDL}$

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YES NO N/A

but \leq CRQL to CRQL with a "U".

A.1.15.2.2 When the MDL \leq CRQL, is any Preparation Blank value greater than its CRQL?

___ [☒] ___

If yes, is the Prep. Blank value greater than the value of the associated Field Blank collected and analyzed with the SDG samples?

___ [☒] ___

If yes, is the lowest concentration of that analyte in the associated samples less than 10 times the Preparation Blank value?

___ [☒] ___

ACTION:

If yes, reject (R) and red-line all associated sample results greater than the CRQL but less than the Prep.Blank value. Flag as "J" detects > Prep. Blank value but <10xPrep.Blank. If the sample result \geq MDL but \leq CRQL, replace it with CRQL-U.

If the Prep. Blank value is less than the same analyte value in the Field Blank, do not qualify the sample results due to the Prep. Blank criteria.

NOTE:

Convert soil sample result to mg/Kg on wet weight basis to compare with the soil Prep. Blank result on Form III.

A.1.15.2.3 Is the Prep. Blank concentration below the negative CRQL?

___ [☒] ___

ACTION:

If yes, flag (J) all associated sample results less than 10xCRQL. Qualify non-detects as estimated (UJ).

A.1.15.2.4 When the MDL is greater than the CRQL, is the preparation blank concentration on Form III greater than two times the MDL?

___ [☐] ☒

ACTION:

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YES NO N/A

If yes, reject (R) and red-line all positive sample results with sample raw data less than 10 times the Preparation Blank value.

A.1.16 ICP-AES/ICP-MS Interference Check Sample (ICS) - Form IV

NOTE: Not required for CN, Hg, Al, Ca, Fe and Mg.

A.1.16.1 Present and complete?

[☒] _____ _____

Was ICS analyzed at the beginning and end of each analytical run, and once for every 20 analytical samples?

[☐] ☒ _____

Was ICS analyzed at the beginning of the ICP-MS analytical run?

[☐] _____ ☒

ACTION:

If no, flag as estimated (J) all sample results.

A.1.16.2 ICP-AES Method

A.1.16.2.1 ICSA Solution:

For ICP-AES, are the ICSA "Found" analyte values within the control limits \pm of CRQL of the true/established mean value?

[☒] _____ _____

If no for any of the above, is the sample concentration of Al, Ca, Fe, or Mg in the same units (ug/L or MG/KG) greater than or equal to its respective concentration in the ICSA Solution on Form IV?

[☐] _____ ☒

ACTION:

If yes, apply the following action to all samples analyzed between a previous technically acceptable analysis of the ICS and a subsequent technically acceptable analysis of the ICS in the analytical run:

Flag (J) as estimated only sample results \geq MDL

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YES NO N/A

for which the ICSA "Found" value is greater than (True value+CRQL). Do not qualify non-detects. If the ICSA "Found" value is less than (True value-CRQL), flag non-detects as "UJ" and detects as "J".

A.1.16.2.3 ICSAB Solution

For ICP-AES, are all analyte results in ICSAB within the control limits of 80-120 of the true/established mean value?

☒ ☐ ☐

If no for any of the above, is the sample concentration of Al, Ca, Fe, or Mg in the same units (ug/L or MG/KG) greater than or equal to its respective concentration in the ICSAB Solution on Form IV?

☐ ☐ ☒

ACTION:

If yes, apply the following action to all samples analyzed between a previous technically acceptable analysis of the ICS and a subsequent technically acceptable analysis of the ICS in the analytical run:

Flag (J) as estimated those associated sample results \geq MDL for which the ICSAB analyte recovery is greater than 120% but \leq 150%. If the ICSAB recovery falls within 50-79%, qualify sample results \geq MDL as "J" and non-detects as "UJ". Reject (R) and red-line all sample results (detects & non-detects) for which the ICSAB analyte recovery is less than 50%. If the recovery is above 150%, reject (R) and red-line only positive results.

A.1.16.3 ICP-MS Method

A.1.16.3.1 ICSA Solution:

For ICP-MS, are the ICSA "Found" analyte values within the control limits of \pm CRQL of the true/established mean value?

☐ ☐ ☒

ACTION:

If no, apply the following action to all samples reported from the analytical run:

Flag (J) as estimated only sample results \geq MDL if the ICSA "Found" value is greater than (True value+CRQL). Do not qualify non-detects. If the ICSA "Found" value is less than (True value-CRQL), flag the associated sample detects as "J" and non-detects as "UJ".

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YES NO N/A

A.1.16.3.3 ICSAB Solution

For ICP-MS, are all analyte results in ICSAB within the control limits of 80-120% of the true/established mean value, whichever is greater?

[] — ✓

ACTION:

If no, apply the following action to all samples reported from the analytical run:

Flag (J) as estimated those associated sample results \geq MDL for which the ICSAB analyte recovery is greater than 120% but \leq 150%. If the ICSAB recovery falls within 50-79% flag (J) as estimated the associated sample results \geq MDL. Reject (R) and red-line those all sample detects and non-detects for which the ICSAB analyte recovery is less than 50%. If the recovery is above 150%, reject (R) and red-line only detects (\geq MDL).

A.1.17 Spiked Sample Recovery: Pre-Digestion/Pre-Distillation)-Form V A
Note: Not required for Ca, Mg, K, and Na (both matrices); Al and Fe (soil only)

A.1.17.1 Was Matrix Spike analysis performed:

For each matrix type?

[✓] — —

For each SDG?

[✓] — —

On one of the SDG samples?

[✓] — —

For each concentration range (i.e., low, med., high)?

[✓] — —

For each analytical Method (ICP-AES, ICP-MS, Hg, CN) used?

[✓] — —

Was a spiked sample prepared and analyzed with the SDG samples?

[✓] — —

ACTION:

If no for any of the above, flag as estimated (J) all the positive data for which a spiked sample was not analyzed.

NOTE:

If more than one spiked sample were analyzed for one SDG, then qualify the associated data based on the worst spiked sample analysis.

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YES NO N/A

- A.1.17.2 Was a field blank or PE sample used
for the spiked sample analysis?

_____ [✓] _____

ACTION:

If yes, flag (J) as estimated positive data of the associated SDG samples for which field blank or PE sample was used for the spiked sample analysis.

- A.1.17.3 Circle on each Form VA all spike recoveries that are outside the control limits (75-125%) that have sample concentrations less than four times the added spike concentrations.

Are all recoveries within the control limits when sample concentrations are less than or equal to four times the spike concentrations?

[✓] _____

NOTE:

Disregard the out of control spike recoveries for analytes whose concentrations are greater than or equal to four times the spike added.

Are results outside the control limits (75-125%) flagged with Lab Qualifier "N" on Form I's and Form VA?

[] _____

ACTION:

If no for any of the above, write in the Contract - Problems/Non-Compliance Section of the Data Review Narrative.

- A.1.17.4 Aqueous

Are any spike recoveries:

(a) less than 30%?

_____ [] ✓

(b) between 30-74%?

_____ [] ✓

(c) between 126-150%?

_____ [] ✓

(d) greater than 150%?

_____ [] ✓

ACTION:

If the matrix spike recovery is less than 30%, reject (R) and red-line all associated aqueous data (detects & non-detects). If between 30-74%, qualify all associated aqueous data \geq MDL as "J" and non-detects

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YES NO N/A

as "UJ". If between 126-150%, flag (J)
all data \geq MDL as "J". If greater than 150%,
reject (R) and red-line all associated data \geq MDL.

(NOTE: Replace "N" with "J", "R" as appropriate.)

A.1.17.5 Soil/Sediment

Are any spike recoveries:

(a) less than 10%?

☒ ☐ ☐

(b) between 10-74%?

☒ ☐ ☐

(c) between 126-200%?

☒ ☐ ☐

(d) greater than 200%?

☒ ☐ ☐

ACTION:

If yes for any of the above, proceed
as follows:

*detected data were not rejected
by professional judgment*

If the matrix spike recovery is less
than 10%, reject (R) and red-line all
associated data (detects & non-detects);
if between 10-74%, qualify all associated
data \geq MDL as "J" and non-detects as "UJ";
if between 126-200%, flag (J) all associated
data \geq MDL as "J" If greater than 200%, reject
(R) and red-line all associated data \geq MDL.
(NOTE: Replace "N" with "J" or "R" as appropriate.)

A.1.18 Lab Duplicates) - Form VI

A.1.18.1 Was the lab duplicate analysis performed:

For each SDG?

☐ ☒ ☐

On one of the SDG samples?

☐ ☒ ☐

For each matrix type?

☐ ☒ ☐

For each concentration range
(low or med.)?

☐ ☒ ☐

For each analytical Method
(ICP-AES/ICP-MS, Hg, CN) Used?

☐ ☒ ☐

Was a lab duplicate prepared and
analyzed with the SDG samples?

☐ ☒ ☐

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YES NO N/A

ACTION:

If no for any of the above, flag (J) as estimated all the SDG sample results (detects & non-detects) for which the lab duplicate analysis was not performed.

NOTE:

If more than one lab duplicate sample were analyzed for an SDG, then qualify the associated samples based on the worst lab duplicate analysis.

- A.1.18.2 Was a Field Blank or PE sample used for the Lab Duplicate analysis?

— ☐ ☒

ACTION:

If yes, flag as estimated (J) all SDG sample results (hits & non-detects) for which Field Blank or PE sample was used for duplicate analysis.

- A.1.18.3 Circle on each Form VI all values that are:

RPD > 20%, or

Absolute Difference > CRQL

Are all values within control limits (RPD \leq 20% or absolute difference \leq \pm CRQL)?

☐ — ☒

If no, are all results outside the control limits flagged with an "*" (Lab Qualifier) on Form VI and on all Form I's?

☐ — ☒

ACTION:

If no, write in the Contract-Problems/Non-Compliance Section of the Data Review Narrative.

NOTE:

The laboratory is not required to report on Form VI the RPD when both values are non-detects.

- A.1.18.4 Aqueous

- A.1.18.4.1 When sample and duplicate values are both \geq 5xCRQL (substitute MDL for CRQL when MDL > CRQL),

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	<u>YES</u>	<u>NO</u>	<u>N/A</u>
is any RPD > 20% but < 100%?	___	[]	✓
is any RPD ≥ 100%?	___	[]	✓

ACTION:

If the RPD is > 20% but < 100%, flag (J) as estimated the associated sample data ≥ CRQL. If the RPD is ≥ 100%, reject (R) and red-line the associated sample data ≥ CRQL.

(NOTE: Replace "*" with "J" or "R" as appropriate.)

A.1.18.4.2 When the sample and/or duplicate value < 5xCRQL (substitute MDL for CRQL when MDL > CRQL), is the absolute difference between sample and duplicate values:

> ± CRQL?	___	[]	✓
> ± 2xCRQL?	___	[]	✓

ACTION:

If the absolute difference is > CRQL, flag as estimated all the associated sample results ≥ MDL but < 5xCRQL as "J" and non-detects as "UJ". If the absolute difference is > 2xCRQL, reject (R) and red-line all the associated non-detects and detects ≥ MDL but < 5xCRQL.

NOTE:

1. Replace "*" with "J", "UJ" or "R" as appropriate.)
2. If one value is > CRQL and the other value is non-detect, calculate the absolute difference between the value > CRQL and the MDL, and use this difference to qualify sample results.

A.1.18.5 Soil/Sediment

A.1.18.5.1 When sample and duplicate values are both ≥ 5xCRQL (substitute MDL for CRQL when MDL > CRQL),

is any RPD ≥ 35% but < 120%?	___	[]	✓
is any RPD ≥ 120%?	___	[]	✓

ACTION:

If the RPD is ≥ 35% and < 120%, flag (J) as estimated the associated sample

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YES NO N/A

data \geq CRQL. If the RPD is \geq 120%, reject
(R) and red-line the associated sample
data \geq CRQL.

A.1.18.5.2 When the sample and/or duplicate value
< 5xCRQL (substitute MDL for CRQL when MDL > CRQL),
is the absolute difference between sample
and duplicate:

> \pm 2 x CRQL?

— [] /

> \pm 4 x CRQL

— [] /

ACTION:

If the absolute difference is > 2 x CRQL,
flag all the associated sample results \geq MDL
but < 5xCRQL as "J" and non-detects as "UJ".
If the absolute difference is > 4xCRQL, reject
(R) and red-line all the associated non-detects
and detects \geq MDL but < 5xCRQL.

NOTE:

1. Replace "*" with "J", "UJ" or "R" as appropriate.)
2. If one value is > CRQL and the other value is non-detect,
calculate the absolute difference between the value > CRQL
and the MDL, and use this difference to qualify sample results.

A.1.19 Field Duplicates

Aqueous Field Duplicates

A.1.19.1 Was an aqueous Field Duplicate pair
collected and analyzed?
(Check Sampling Trip Report)

[] / —

ACTION:

If yes, prepare a Form (Appendix A.4) for each
aqueous Field Duplicate pair. Report the sample
and Field Duplicate results on Appendix A.4 from
their respective Form I's. Calculate and report RPD
on Appendix A.4 when sample and its Field Duplicate
values are both > 5xCRQL. Calculate and report the
absolute difference on Appendix A.4 when at least one
value (sample or duplicate) is < 5xCRQL. Evaluate the
aqueous Field Duplicate analysis in accordance with the

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YES NO N/A

QC criteria stated in Sections A.1.19.2 and A.1.19.3.

NOTE:

1. Do not transfer "*" from Form I's to Appendix A.4.
2. Do not calculate RPD when both values are non-detects.
3. Substitute MDL for CRQL when MDL > CRQL.
4. If one value is >CRQL and the other value is non-detect, calculate the absolute difference between the value > CRQL and the MDL, and use this the criteria to qualify the results.

A.1.19.2 Circle all values on the Form (Appendix A.4) for Field Duplicates that have:

RPD \geq 20% or

Difference $> \pm$ CRQL

When sample and duplicate values are both $\geq 5 \times \text{CRQL}$ (substitute MDL for CRQL when MDL > CRQL),

is any RPD \geq 20%?

___ [] ☒

is any RPD \geq 100%?

___ [] ☒

ACTION:

If the RPD is >20% but < 100%, flag (J) only the associated sample and its Field Duplicate results \geq CRQL. If the RPD is \geq 100%, reject (R) and red-line only the associated sample and its Field Duplicate result \geq CRQL.

A.1.19.3 When the sample and/or duplicate value(s) $< 5 \times \text{CRQL}$ (substitute MDL for CRQL when MDL > CRQL), is the absolute difference between sample and duplicate:

$> \pm$ CRQL?

___ [] ☒

$> \pm 2 \times \text{CRQL}$?

___ [] ☒

ACTION:

If the absolute difference is $> \text{CRQL}$, flag detects \geq MDL but $< 5 \times \text{CRQL}$ as "J" and non-detects as "UJ". If the difference is $> 2 \times \text{CRQL}$, reject (R) and red-line non-detects

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YES NO N/A

and results \geq MDL but $< 5 \times \text{CRQL}$ of the sample
and its Field Duplicate.

Soil/Sediment Field Duplicates

A.1.19.4 Was a soil field duplicate pair
collected and analyzed?
(Check Sampling Trip Report)

[] / —

ACTION:

If yes, for each soil Field Duplicate
pair proceed as follows:

Prepare Appendix A.4 for each Field Duplicate
pair. Report on Appendix A.4 all sample and its
Field Duplicate results in MG/KG from their
respective Form I's. Calculate and report RPD when
sample and its duplicate values are both greater
than $5 \times \text{CRQL}$. Calculate and report the
absolute difference when at least one value
(sample or duplicate) is $< 5 \times \text{CRQL}$. Evaluate the
Field Duplicate analysis in accordance with the
QC Criteria stated in Sections A.1.19.5 and A.1.19.6.

NOTE:

1. Do not transfer "*" from Form I's to Appendix A.4.
2. Do not calculate RPD when both values are non-detects.
3. Substitute MDL for CRQL when $\text{MDL} > \text{CRQL}$.
4. If one value is $> \text{CRQL}$ and the other
value is non-detect, calculate the
absolute difference between the
value $> \text{CRQL}$ and the MDL, and apply
the criteria to qualify the results.

A.1.19.5 Circle on each Appendix A.4 all
values that have:

RPD $\geq 35\%$, or Difference $> \pm 2 \times \text{CRQL}$
When sample and duplicate values
are both $\geq 5 \times \text{CRQL}$ (substitute MDL for
CRQL when $\text{MDL} > \text{CRQL}$),

~~is any RPD $\geq 35\%$ but $< 120\%$?~~

— [] —

is any RPD $\geq 120\%$?

— / —

ACTION:

If the RPD is $\geq 35\%$ but $< 120\%$,

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YES NO N/A

flag only the associated sample
and its Field Duplicate results
 \geq CRQL as "J". If the RPD is \geq 120%,
reject (R) and red-line only the sample
and its Field Duplicate results \geq CRQL.

A.1.19.6 When the sample and/or duplicate value(s)
 $< 5 \times \text{CRQL}$ (substitute MDL for CRQL when MDL $>$ CRQL),
is the absolute difference between sample
and Field Duplicate:

$> \pm 2 \times \text{CRQL}$?

☒ ☐ ☐

$> \pm 4 \times \text{CRQL}$?

☐ ☐ ☒

ACTION:

If the absolute difference is $> 2 \times \text{CRQL}$, flag
Sample and its Field Duplicate results \geq MDL
but $< 5 \times \text{CRQL}$ as "J" and non-detects as "UJ".
If the difference is $> 4 \times \text{CRQL}$, reject (R) and
red-line non-detects and detects \geq MDL but
 $< 5 \times \text{CRQL}$ of the sample and its Field Duplicate.

A.1.20 Laboratory Control Sample (LCS)- Form VII

A.1.20.1 Was one LCS prepared and analyzed for:

Each SDG?

☒ ☐ ☐

Each matrix type?

☒ ☐ ☐

Each batch samples digested/distilled?
For each Method (ICP-AES, ICP-MS, Hg, CN)
used?

☒ ☐ ☐
☒ ☐ ☐

Was an LCS prepared and analyzed with
the samples?

☒ ☐ ☐

ACTION:

If no for any of the above, prepare
Telephone Record Log and contact
CLP PO or TOPO for submittal of the
LCS results. Flag (J) as estimated all
the data for which an LCS was not
analyzed.

NOTE:

If only one LCS was analyzed for

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YES NO N/A

more than 20 samples, then the first
20 samples analyzed are not flagged(J),
but all additional samples must be
qualified (J).

A.1.20.2 Aqueous LCS

Circle on each Form VII the LCS percent
recoveries outside control limits 80-120%.

NOTE: 1. Use digested ICV as LCS for aqueous mercury
2. Use distilled ICV as LCS for aqueous cyanide

Is any LCS recovery:

Less than 50%?

— [☒] —

Between 50% and 79%?

— [☒] —

Between 121% and 150%?

— [☒] —

Greater than 150%?

— [☒] —

ACTION:

If the LCS recovery is less than 50%,
reject (R) and red-line all associated
sample data (detects & non-detects); for
a recovery between 50-79%, flag detects
as "J" all non-detects as "UJ". if the LCS
recovery is between 121-150%, flag only
detects as "J". if the recovery is greater
than 150%, reject (R) and red-line all detects.

A.1.20.3 Solid LCS

If an analyte's MDL is equal to or
greater than the true value of LCS,
disregard the "Action" below for that
analyte even though the LCS is out of
control limits.

Is the LCS "Found" value greater
than the Upper Control Limit
reported on Form VII?

— [☒] —

ACTION:

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If yes, flag (J) all the associated
detects \geq MDL as estimated (J).

YES NO N/A

Is the LCS "Found" value lower
than the Lower Control Limit
reported on Form VII?

— [☒] —

ACTION:

If yes, flag detects as "J" and
non-detects as "UJ".

A.1.21 ICP-AES/ICP-MS Serial Dilution - Form VIII

NOTE: Serial dilution analysis is required only
when the initial concentration is equal to or
greater than 50 x MDL.

A.1.21.1 Was a Serial Dilution analysis
performed:

For each SDG?

[☒] — —

On one of the SDG samples?

[☒] — —

For each matrix type?

[☒] — —

For each concentration range
(low or med.)?

[☒] — —

Was a Serial Dilution sample
analyzed with the SDG samples?

[☒] — —

ACTION:

If no for any of the above, flag
as estimated (J) detects \geq MDL of
all the SDG samples for which the
ICP Serial Dilution Analysis was
not performed.

A.1.21.2 Was a Field Blank or PE sample used
for the Serial Dilution Analysis?

— [☒] —

ACTION:

If yes, flag as estimated (J) detects
 \geq MDL of all the SDG samples

A.1.21.3 Circle on Form VIII the Percent Differences
(%D) between sample results and its dilution
results that are outside the control limits $\pm 10\%$

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YES NO N/A

when initial concentrations $\geq 50 \times$ MDLs.

Are results outside the control limits flagged with an "E" (Lab Qualifier) on Form VIII and all Form I's?

[] / —

ACTION:

If no, write in the Contract-Problem/Non-Compliance Section of the Data Review Narrative.

A.1.21.4 Are any %D values:

> 10%?

/ [] —

$\geq 100\%$?

— [✓] —

ACTION:

If the Percent Difference (%D) is greater than 10%, flag (J) as estimated all associated samples whose raw data \geq MDL; if the %D is $\geq 100\%$, reject (R) and red-line all associated samples with raw data \geq MDL.

(NOTE: Replace "E" with "J" or "R" as appropriate.)

A.1.22 Total/Dissolved or Inorganic/Total Analytes

A.1.22.1 Were any analyses performed for dissolved as well as total analytes on the same sample(s)?

— [✓] —

Were any analyses performed for inorganic as well as total analytes on the same sample(s)?

— [✓] —

ACTION:

If yes, prepare a Form (Appendix A.5) to compare the differences between dissolved (or inorganic) and total analyte concentrations. Compute each difference on Appendix A.5 as a percent of the total analyte only when both of the following conditions are fulfilled:

- (1) The dissolved (or inorganic) concentration is greater than total concentration, and
- (2) greater than or equal to $5 \times$ MDL.

A.1.22.2 Is any dissolved (or inorganic) concentration greater than its total concentration by more than 20%?

— [X] /

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YES NO N/A

A.1.22.3 Is any dissolved (or inorganic) concentration greater than its total concentration by more than 50%?

— [] /

ACTION:

If the percent difference is greater than 20%, flag (J) both dissolved/inorganic and total concentrations as estimated. If the difference is more than 50%, reject (R) and red-line both the values.

A.1.23 Field Blank - Form I

NOTE: Designate "Field Blank" as such on Form I

A.1.23.1 Was a Field/Rinsate Blank collected and analyzed with the SDG samples?

[/] — —

If yes, is any Field/Rinsate Blank absolute value of an analyte on Form I greater than its CRQL (or 2xMDL when MDL > CRQL)?

— [/] —

If yes, circle the Field Blank value on Form I that is greater than the CRQL, (or 2 x MDL when MDL > CRQL).

Is any Field Blank value greater than CRQL also greater than the Preparation Blank value?

— [] /

If yes, is the Field Blank value (> CRQL and > the prep. blank value) already rejected due to other QC criteria?

[] — /

ACTION:

If the Field Blank value was not rejected, reject all associated sample data (except the Field Blank results) greater than the CRQL but less than the Field Blank value. Reject on Form I's the soil sample results whose raw values in ug/L in the instrument printout are greater than the CRQL but less than the Field Blank value in ug/L. Flag as "J" detects between the Field Blank value and 10xField Blank value. If the sample result \geq MDL but \leq CRQL, replace it with CRQL-U.

If the Field Blank value is less than the

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YES NO N/A

Prep. Blank value, do not qualify the sample results due to the Field Blank criteria.

NOTE:

1. Field Blank result previously rejected due to other criteria cannot be used to qualify field samples.
2. Do not use Rinsate Blank associated with soils to qualify water samples and vice versa.

A.1.24 Verification of Instrumental Parameters - Form IX, XA, XB, XI

A.1.24.1 Is verification report present for:

Method Detection Limits (Form IX-Annually)?

☒ _____ _____

ICP-AES Interelement Correction Factors
(Form XA & XB -Quarterly)?

☒ _____ _____

ICP-AES & ICP-MS Linear Ranges
(Form XI-Quarterly)?

☒ _____ _____

ACTION:

If no, contact CLP PO/TOPO for submittal from the laboratory.

A.1.24.2 Method Detection Limits - Form IX

A.1.24.2.1 Are MDLs present on Form IX for:

All the analytes?

☒ _____ _____

All the instruments used?

☒ _____ _____

Digested and undigested
samples and Calib.Blanks?

☒ _____ _____

ICP-AES and ICP-MS when both
instruments are used for the
same analyte?

☐ _____ ☒

ACTION:

If no for any of the above, prepare Telephone Record Log and contact CLP PO/TOPO for submittal of the MDLs from the laboratory. Report to CLP PO and write in the Contract Problems/Non-Compliance Section of the Data Review Narrative if the MDL concentration is not less than ½ CRQL.

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	<u>YES</u>	<u>NO</u>	<u>N/A</u>
A.1.24.2.2 Is MDL greater than the CRQL for any analyte?	—	[<input checked="" type="checkbox"/>]	—

If yes, is the analyte concentration on Form I greater than 5 x MDL for the sample analyzed on the instrument whose MDL exceeds CRQL?

[]	—	[<input checked="" type="checkbox"/>]
-----	---	---

ACTION:

If no, flag as estimated (J) all values less than five times MDL for the analyte whose MDL exceeds the CRQL.

A.1.24.3 Linear Ranges - Form XI

A.1.24.3.1 Was any sample result higher than the high linear range for ICP-AES or ICP-MS?

—	[<input checked="" type="checkbox"/>]	—
---	---	---

Was any sample result higher than the highest calibration standard for mercury or cyanide?

—	[<input checked="" type="checkbox"/>]	—
---	---	---

If yes for any of the above, was the sample diluted to obtain the result reported on Form I?

[]	—	[<input checked="" type="checkbox"/>]
-----	---	---

ACTION:

If no, flag (J) as estimated the affected detects (\geq MDL) reported on Form I.

A.1.25 ICP-MS Tune Analysis - Form XIV

A.1.25.1 Was the ICP-MS instrument tuned prior to calibration?

[]	—	[<input checked="" type="checkbox"/>]
-----	---	---

ACTION:

If no, reject (R) and red-line all sample data for which tuning was not performed.

A.1.25.2 Was the tuning solution analyzed or scanned at least five times consecutively?

[]	—	[<input checked="" type="checkbox"/>]
-----	---	---

Were all the required isotopes spanning the analytical range present in the tuning solution?

[]	—	[<input checked="" type="checkbox"/>]
-----	---	---

Was the mass resolution within

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	<u>YES</u>	<u>NO</u>	<u>N/A</u>
0.1 amu for each isotope in the tuning solution?	[]	—	✓
Was %RSD less than 5% for each isotope of each analyte in the tuning solution?	[]	—	✓

ACTION:

If no for any of the above, qualify all results \geq MDL associated with that Tune as estimated "J", and all non-detects associated with that Tune as "UJ".

A.1.26 ICP-MS Internal Standards - Form XV

A.1.26.1 Were the Internal Standards added to all the samples and all QC samples and calibration standards (except the Tuning Solution)?	[]	—	✓
--	-----	---	---

Were all the target analyte masses bracketed by the masses of the five internal standards?	[]	—	✓
--	-----	---	---

ACTION:

If none of the Internal Standards was added to the samples, reject (R) and red-line all the associated sample data (detects & non-detects). If internal standards were used but did not cover all the analyte masses, reject (R) and red-line only the analyte results not bracketed by the internal standard masses.

A.1.26.2 Was the intensity of an Internal Standard in each sample within 60-125% of the intensity of the same Internal Standard in the calibration blank?	[]	—	✓
---	-----	---	---

If no, was the original sample diluted two fold, Internal Standard added and the sample re-analyzed?	[]	—	✓
--	-----	---	---

Was the %RI for the two fold diluted sample within the acceptance limits (60-125%)?	[]	—	✓
---	-----	---	---

ACTION:

If no for any of the above, flag detects as "J" and non-detects "UJ" of all the analytes with atomic masses between the

atomic mass of the internal standard lighter

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than the affected internal standard, and the
atomic mass of the internal standard heavier
than the affected internal standard.

A.1.27 Percent Solids of Sediments

A.1.27.1 Are percent solids in sediment(s):

< 50%?

_____ [✓] _____

ACTION:

If yes, qualify as estimated (J) all detects and
non-detects of a sample that has percent solids
less than 50% (i.e., moisture content greater than 50%).

NOTE:

Flag(J) only the sample results
that were not previously flagged
due to other QC criteria.

Inorganic Data Review Narrative

Case# _____ Site: _____ Matrix: Soil _____
SDG# _____ Lab: _____ Water _____
Sampling Team: _____ Reviewer: _____ Other _____

A.2.1 Data Validation Flags:

The following flags may have been applied in red by the data validator and must
be considered by the data user.

- J - This flag indicates the result qualified as estimated
- R and Red-Line - A red-line drawn through a sample result indicates unusable value.
The red-lined data are known to contain significant errors based on
documented information and must not be used by the data user.
- U - This data validation qualifier is applied to sample results
≥ MDL when associated blank is contaminated
- Fully Usable Data - The results that do not carry "J" or "red-line" are fully
usable.

A.2.2 Laboratory Qualifiers:

The CLP laboratory applies a contractual qualifier on all

Site: Glen Isle
Laboratory: Test America Buffalo, NY
Report No.: 480-55212-1
Reviewer: Christina Rink and Josephine Go/Laboratory Data Consultants for RXR
Glen Isle Partners, LLC
Date: March 25, 2014

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
LT-G-060-0-2**	480-55212-1	SVOC**, Pesticides**
LT-G-060-4-6	480-55212-2	SVOC, Pesticides
LT-G-060-8-10	480-55212-3	SVOC, Pesticides
LT-G-028-0-2	480-55212-4	SVOC, Pesticides
LT-G-028-4-6	480-55212-5	SVOC, Pesticides
LT-G-028-8-10	480-55212-6	SVOC, Pesticides
LT-G-029-0-2	480-55212-7	SVOC, Pesticides
LT-G-029-2-4	480-55212-8	SVOC, Pesticides
LT-G-029-8-10	480-55212-9	SVOC, Pesticides
DUP029	480-55212-10	SVOC, Pesticides
DUP030	480-55212-11	SVOC, Pesticides
LT-G-030-0-2**	480-55212-12	SVOC, Pesticides**
LT-G-030-4-6	480-55212-13	SVOC, Pesticides
LT-G-030-6-8	480-55212-14	SVOC, Pesticides
LT-G-031-0-2	480-55212-15	SVOC, Pesticides
LT-G-031-4-6	480-55212-16	SVOC, Pesticides
LT-G-031-6-8	480-55212-17	SVOC, Pesticides
LT-G-032-0-2	480-55212-18	SVOC, Pesticides
LT-G-032-4-6	480-55212-19	SVOC, Pesticides
LT-G-032-6-8	480-55212-20	SVOC, Pesticides
LT-G-033-0-2	480-55212-21	SVOC, Pesticides
LT-G-033-2-4	480-55212-22	SVOC, Pesticides
LT-G-033-6-8	480-55212-23	SVOC, Pesticides
LT-G-034-0-2**	480-55212-24	SVOC, Pesticides**
LT-G-034-2-4	480-55212-25	SVOC, Pesticides
LT-G-034-6-8	480-55212-26	SVOC, Pesticides
LT-G-035-0-2	480-55212-27	SVOC, Pesticides
LT-G-035-2-4	480-55212-28	SVOC, Pesticides
LT-G-035-6-8**	480-55212-29	SVOC**, Pesticides
FB029	480-55212-30	VOC, SVOC, Pesticides
LT-G-028-0-2MS	480-55212-4MS	SVOC, Pesticides
LT-G-028-0-2MSD	480-55212-4MSD	SVOC, Pesticides
LT-G-032-6-8MS	480-55212-20MS	SVOC, Pesticides
LT-G-032-6-8MSD	480-55212-20MSD	SVOC, Pesticides

Associated QC Samples(s):

Field/Trip Blanks: FB029

Field Duplicate pair: LT-G-060-8-10 and DUP029
DUP030 and LT-G-030-4-6

The above-listed soil and water samples were collected on February 24, 2014 and were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260C, semivolatile organic compounds (SVOCs) by SW-846 method 8270D, and pesticides by SW-846 method 8081B. The data validation was performed in accordance with the *USEPA Region II Functional Guidelines for Evaluating Organic Analyses* (September 2006) and the *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA 540-R-08-01* (June 2008), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- GC/Electron Capture Detector (GC/ECD) Instrument Performance Checks
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Moisture Content
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers.

Samples indicated by a double asterisk on the front cover underwent Category B review. A Category A review was performed on all of the other samples. Calibration and raw data were not evaluated for the samples reviewed by Category A criteria since this review is based on QC data.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

VOC and SVOC

All criteria were met. GC/MS tunes were not reviewed for samples reviewed by Category A criteria.

GC/ECD Instrument Performance Checks

Pesticide

All criteria were met. GC/ECD instrument performance checks were not reviewed for samples reviewed by Category A criteria.

Initial and Continuing Calibrations

Initial and continuing calibrations were not reviewed for samples reviewed by Category A criteria.

SVOC

Compounds that did not meet criteria in the SVOC calibrations are summarized in the following table.

Continuing calibration:

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
2/28/14	U3897	Hexachlorobutadiene	24.7	LT-G-035-6-8**	XX	UJ nondetects
		Diethylphthalate	37.0		XX	UJ nondetects
		Hexachlorobenzene	20.5		XX	UJ nondetects
3/4/14	X0088150	Hexachlorocyclopentadiene	30.8	LT-G-060-0-2**	XX	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J) positive and blank-qualified (UJ) results only.

XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.

SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.

XXX = Continuing calibration (CC) and second source verification percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.
 + = Response factor (RRF) < 0.05 or <0.01 and <0.005 for poor performing compounds; Estimate (J) positive results and reject (R) nondetect results.
 - = Criteria were met.

The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Pesticide

Compounds that did not meet criteria in the Pesticide calibrations are summarized in the following table.

Continuing calibration:

Date	Instrument ID	Column	Compound	CC %D	Associated Samples		Validation Action
2/28/14	5-6053	RTX-CLP I	alpha-BHC gamma-BHC beta-BHC delta-BHC Heptachlor Aldrin Heptachlor epoxide	34.8 40.0 42.0 37.6 49.8 36.6 26.6	LT-G-030-0-2**	XX	UJ nondetects UJ nondetects UJ nondetects UJ nondetects UJ nondetects UJ nondetects UJ nondetects
1/7/14	25_65064	RTX-CLP2	Toxaphene	32.7	LT-G-030-0-2**	XX	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J) positive and blank-qualified (UJ) results only.
 XX = Continuing calibration (CC) and second source verification percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
 XXX = Continuing calibration (CC) and second source verification percent difference (%D) > 90; estimate (J) positive results and reject ® nondetect results.
 - = Criteria were met.

The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Blanks

VOC

Contamination was not detected in the method blanks.

Contamination was detected in the field blank FB029 for the VOC analyses. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected. The following table

summarizes the contamination detected.

Field Blank ID	Compound	Level Detected	Action Level	Associated Samples
FB029	Methylene chloride	0.74 ug/L	<RL	No associated samples in this SDG

SVOC

Contamination was not detected in the method blanks.

Contamination was detected in the field blank FB029 for the SVOC analyses. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <RL of the concentrations detected. The following table summarizes the contamination detected.

Field Blank ID	Compound	Level Detected	Action Level	Associated Samples
FB029	Di-n-butylphthalate	0.38 ug/L	<RL	LT-G-060-0-2** LT-G-060-4-6 LT-G-060-8-10 LT-G-028-0-2 LT-G-028-4-6 LT-G-028-8-10 LT-G-029-0-2 LT-G-029-2-4 LT-G-029-8-10 DUP029 DUP030 LT-G-030-0-2** LT-G-030-4-6 LT-G-030-6-8 LT-G-031-0-2 LT-G-031-4-6 LT-G-031-6-8 LT-G-032-0-2 LT-G-032-4-6 LT-G-032-6-8 LT-G-033-0-2 LT-G-033-2-4 LT-G-033-6-8 LT-G-034-0-2** LT-G-034-2-4 LT-G-034-6-8 LT-G-035-0-2 LT-G-035-2-4 LT-G-035-6-8

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the

reported concentration.

No samples were qualified since the associated sample results were nondetect.

Pesticide

Contamination was not detected in the method blanks.

No positive results were found in the field blanks FB029 for pesticide analyses.

Surrogate Recoveries

VOC and SVOC

All criteria were met.

Pesticide

Surrogates were recovered outside of control limits for sample LT-G-034-0-2**. No actions were taken for samples analyzed at greater than 5X dilution.

MS/MSD Results

VOC

MS/MSD analyses were not performed for the VOC analyses.

SVOC

MS/MSD analyses were performed on samples LT-G-028-0-2 and LT-G-032-6-8 for SVOA analyses. All criteria were met.

Pesticide

MS/MSD analyses were performed on samples LT-G-028-0-2 and LT-G-032-6-8 for pesticides. The following table lists the compounds recovered outside of control limits in the MS/MSD analyses and the resulting actions.

Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Affected Sample	Validation Action
Aldrin	-	-	13 (≤ 12)	LT-G-032-6-8	None
delta-BHC	-	-	16 (≤ 14)	LT-G-032-6-8	None
Dieldrin	-	-	24 (≤ 12)	LT-G-032-6-8	None
gamma-Chlordane	-	-	19 (≤ 15)	LT-G-032-6-8	None
Heptachlor epoxide	-	-	23 (≤ 15)	LT-G-032-6-8	None

- Within control limits

Validation action was not required aldrin, delta-BHC, Dieldrin, gamma-chlordane, and heptachlor epoxide for due to high MS/MSD RPD as positive results only are affected and this compound was not detected in the associated samples.

LCS Results

VOC, SVOC, and Pesticide

All criteria were met.

Internal Standards

Internal standards were not reviewed for samples reviewed by Category A criteria.

SVOC

The following table lists the internal standards recovered outside of control limits and the resulting actions.

Sample	Internal Standard	Area Exceedances (Limits)	Affected Compounds	Validation actions
LT-G-035-6-8**	Perylene-d12	106294 (140150-560598)	Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene Benzo(g,h,i)perylene	UJ nondetects UJ nondetects UJ nondetects UJ nondetects UJ nondetects UJ nondetects

The bias cannot be determined from the internal standard nonconformance. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Moisture Content

VOC, SVOC, and Pesticide

All criteria were met.

Field Duplicate Results

Samples LT-G-060-8-10 and DUP029 and samples DUP030 and LT-G-030-4-6 were submitted as the field duplicate pair with this sample group. The following table summarizes the concentrations and validation actions taken.

VOC

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

SVOC

There were no detected compounds in the field duplicate pair for SVOC.

Pesticide

Compound	Concentration (ug/Kg)		RPD (Limits)	Difference (Limits)	Action
	LT-G-060-8-10	DUP029			
beta-BHC	1.8U	0.53	-	1.27 (≤ 3.6)	-
delta-BHC	1.8U	0.58	-	1.22 (≤ 3.6)	-
gamma-BHC	0.46	1.8U	-	1.34 (≤ 3.6)	-

--no action required

For soil results > 5xQL and RPDs >100; estimate (J) results in the field duplicate pair.
For soil results < 5xQL; the sample and duplicate results must be within 2XQL.

Compound	Concentration (ug/Kg)		RPD (Limits)	Difference (Limits)	Action
	DUP030	LT-G-030-4-6			
4,4'-DDE	1.8U	0.49	-	1.31 (≤ 3.6)	-

--no action required

For soil results > 5xQL and RPDs >100; estimate (J) results in the field duplicate pair.
For soil results < 5xQL; the sample and duplicate results must be within 2XQL.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the MDL in the VOC, SVOC, and Pesticide analyses. These results were qualified as estimated (J) by the laboratory.

Due to high target compound levels or difficult sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. QLs were elevated accordingly.

Sample	Pesticide Analysis Reported
LT-G-034-0-2**	10-fold dilution due to nature of sample matrix

Dilutions were not required for VOC and SVOC analyses.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

The following table lists the GC dual column RPDs for pesticide which were outside of control limits and the resulting actions. The direction of the bias cannot be determined from this nonconformance. All results are usable as nondetects or estimated values.

Sample	Compound	RPD (%)	Validation Actions
LT-G-060-0-2**	Heptachlor	113.06	JN detect
	Endosulfan I	80.86	JN detect
	Dieldrin	81.37	JN detect
	4,4'-DDT	84.86	JN detect
LT-G-060-0-2**	Heptachlor epoxide	66.79	J detects
	gamma-Chlordane	28.95	J detects
	4,4'-DDE	59.06	J detects
	Endrin aldehyde	30.43	J detects
LT-G-030-0-2**	4,4'-DDE	89.28	1.8U ug/Kg

For %RPD between 26 and 70%; estimate (J) the positive result.

For %RPD between 71 and 100%; qualify the result as presumptively present (JN).

For %RPD >50% and the result < QL; raise the value to the QL and qualify as nondetect (U).

For %RPD > 100% and interference is present; qualify the result as presumptively present (JN).

For %RPD > 100% and interference is not present; reject (R) result.

DATA VALIDATION QUALIFIERS

- U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.
- J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified “J” data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The ‘J’ data may be biased high or low or the direction of the bias may be indeterminable.
- UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified “UJ” data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The ‘UJ’ data may be biased low.
- JN - The analysis indicates the presence of a compound that has been “tentatively identified” (N) and the associated numerical value represents its approximate (J) concentration.
- R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 31445D1a **VALIDATION COMPLETENESS WORKSHEET**

SDG #: 480-55212-1

Cat A/Cat B-

Laboratory: Test America, Inc.

Date: 3/18/14

Page: 1 of 1

Reviewer: JVL

2nd Reviewer: [Signature]

8260C

METHOD: GC/MS Volatiles (EPA SW 846 Method 8270C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/24 /14
II.	GC/MS Instrument performance check	N	Not reviewed for Cat A review.
III.	Initial calibration	N	Not reviewed for Cat A review.
IV.	Continuing calibration/ICV	N	Not reviewed for Cat A review.
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	CS
VIII.	Laboratory control samples	A	UCS /b
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	N	
XI.	Target compound identification	N	Not reviewed for Cat A review.
XII.	Compound quantitation/RL/LOQ/LODs	SW	Not reviewed for Cat A review. MOL results LRL let/A
XIII.	Tentatively identified compounds (TICs)	N	Not reviewed for Cat A review.
XIV.	System performance	N	Not reviewed for Cat A review.
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	SW	FB = 1

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

water

1	FB029	11	MB 480-167846/7	21		31	
2		12		22		32	
3		13		23		33	
4		14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

LDC #: 31445 Dia**VALIDATION FINDINGS WORKSHEET**
Field BlanksPage: 1 of 1Reviewer: JVG2nd Reviewer: 9**METHOD:** GC/MS VOA (EPA SW 846 Method 8260C)Y N N/A Were field blanks identified in this SDG?Y N N/A Were target compounds detected in the field blanks?Blank units: 10 1L Associated sample units: NASampling date: 2/24/14Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: _____ Associated Samples: none

Compound	Blank ID	Action level	Sample Identification							
	1	(2x)								
E	0.74	1.48								

Blank units: _____ Associated sample units: _____

Sampling date: _____

Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: _____ Associated Samples: _____

Compound	Blank ID	Sample Identification								

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

Common contaminants such as Methylene chloride, Acetone, 2-Butanone and Carbon disulfide that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

YES NO N/A

I. PACKAGE COMPLETENESS AND DELIVERABLES

CASE NUMBER/ SDG #: 314450 / 480-55212-1 LAB: Test America Buffalo

SITE NAME: Glen Isle

1.0 Data Completeness and Deliverables

1.1 Has all data been submitted in CLP deliverable
format or CLP Forms Equivalent?

☒ 1 1

ACTION: If not, note the effect on review of the data in
the Data Assessment narrative.

2.0 Cover Letter, SDG Narrative

2.1 Is a laboratory narrative, and/or cover letter
signed release present?

☒ 1 1

2.2 Are case number and SDG number(s) contained
in the narrative or cover letter?

☒ 1 1

ACTION: If not, note the effect on review of the data in
the Data Assessment narrative.

II. VOLATILE ANALYSES

1.0 Traffic Reports and Laboratory Narrative

1.1 Are the Traffic Reports, and/or Chain of Custodies
from the field samplers present for all samples
sign release present?

☒ 1 1

ACTION: If no, contact the laboratory/sampling team for replacement
of missing or illegible copies.

1.2 Is a sampling trip report present (if required)?

☒ 1 1

1.3 Sample Conditions/Problems

YES NO N/A

- 1.3.1 Do the Traffic Reports, Chain of Custodies, or Lab Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special notations affecting the quality of the data? 1/1

ACTION: If all the VOA vials for a sample have air bubbles or the VOA vial analyzed had air bubbles, flag all positive results "J" and all non-detects "R".

ACTION: If any sample analyzed as a soil, other than TCLP, contains 50%-90% water, all data should be flagged as estimated ("J"). If a soil sample, other than TCLP, contains more than 90% water, flag all positive results "J" and all non-detects "R".

ACTION: If samples were not iced or if the ice was melted upon receipt at the laboratory and the temperature of the cooler was elevated ($>10^{\circ}\text{C}$), flag all positive results "J" and all non-detects non"UJ".

2.0 Holding Times

- 2.1 Have any volatile holding times, determined from date of collection to date of analysis, been exceeded? 1/1

The maximum holding time for aqueous samples is 14 days.

The maximum holding time for soils non aqueous samples is 14 days.

NOTE: If unpreserved, aqueous samples maintained at 4°C for aromatic hydrocarbons analysis must be analyzed within 7 days. If preserved with HCL acid to a $\text{pH}<2$ and stored at 4°C , then aqueous samples must be analyzed within 14 days from time of collection. For non-aqueous samples for volatile components that are frozen (less than 7°C) or are properly cooled ($4^{\circ}\text{C} \pm 2^{\circ}\text{C}$) and perserved with NaHSO_4 , the maximum holding time is 14 days from sample collection. If

YES NO N/A

uncertain about preservation, contact the laboratory /sampling team to determine whether or not samples were preserved.

ACTION: Qualify sample results according to Table 1:

Table 1. Holding Time Actions for Trace Volatile Analysis

Matrix	Preserved	Criteria	Action	
			Detected Associated Compounds	Non-Detected Associated Compounds
Aqueous	No	≤ 7 days	No qualifications	
	No	> 7 days	J	R
	Yes	≤ 14 days	No qualifications	
	Yes	> 14 days	J	R
Non Aqueous	No	≤ 14 days	J	R
	Yes	≤ 14 days	No qualifications	
	Yes/No	> 14 days	J	R

3.0 Surrogate Recovery (CLP Form II Equivalent)

3.1 Have the volatile surrogate recoveries been listed on Surrogate Recovery forms for each of the following matrices:

a. Water

☒ ☐ ☐

b. Soil

☐ ☐ ☒

3.2 If so, are all the samples listed on the appropriate Surrogate Recovery forms for each matrix:

a. Water

☒ ☐ ☐

b. Soil

☐ ☐ ☒

ACTION: If large errors exist, deliverables are unavailable or information is missing, document the effect(s) in Data

YES NO N/A

Assessments and contact the laboratory/project officer/appropriate official for an explanation /resubmittal, make any necessary corrections and document effect in the Data Assessment.

- 3.3 Were the surrogate recovery limits followed ^{lab limits.} ~~per Table 2~~. If Table 2 criteria were not followed, the laboratory may use in-house performance criteria (per SW-846, Method 8000C, section 9.7). Other compounds may be used as surrogates, depending upon the analysis requirements. 1/1 — —

Table 2. Surrogate Spike Recovery Limits for Water and Soil/Sediments

DMC	Recovery Limits (%)Water	Recovery Limits Soil/Sediment
4-Bromofluorobenzene	80-120	70-130
Dibromofluoromethane	80-120	70-130
Toluene-d ₈	80-120	70-130
Dichloroethane-d ₄	80-120	70-130

Note: Use above table if laboratory did not provide in house recovery criteria.

Note: Other compounds may be used as surrogated depending upon the analysis requirements.

- 3.4 Were outliers marked correctly with an asterisk? 1/1 — —

ACTION: Circle all outliers with a red pencil.

- 3.5 Were one or more volatile surrogate recoveries out of specification for any sample or method blank. Table 2. 1/1 — —

If yes, were samples reanalyzed? 1/1 — —

Were method blanks reanalyzed? 1/1 — —

YES NO N/A

ACTION: If all surrogate recoveries are > 10% but 1 or more compounds do not meet method specifications:

1. Flag all positive results as estimated ("J").
2. Flag all non-detects as estimated detection limits ("UJ") when recoveries are less than the lower acceptance limit.
3. If recoveries are greater than the upper acceptance limit, do not qualify non-detects, but qualify positive results as estimated "J".

If any surrogate has a recovery of < 10%:

1. Positive results are qualified with ("J").
2. Non-detects for that should be qualified as unusable ("R").

NOTE: Professional judgement should be used to qualify data that have method blank surrogate recoveries out of specification in both original and reanalyses. The basic concern is whether the blank problems represent an isolated problem with the blank alone or whether there is a fundamental problem with the analytical process. If one or more samples in the batch show acceptable surrogate recoveries, the reviewer may choose the blank problem to be an isolated occurrence.

3.6 Are there any transcription/calculation errors between raw data and reported data?

11 /

ACTION: If large errors exist, take action as specified in section 3.2 above.

4.0 Laboratory Control Sample (Form III/Equivalent)

4.1 Is the LCS prepared, extracted, analyzed, and reported once for every 20 field samples of a similar matrix, per SDG.

11 /

YES NO N/A

Note: LCS consists of an aliquot of a clean (control) matrix similar to the sample matrix and of the same weight or volume.

ACTION: If any Laboratory Control Sample data are missing, call the lab for explanation /resubmittals. Make note in the data assessment.

4.2 Were the Laboratory Control Samples analyzed at the required frequency for each of the following matrices:

A. Water

☒ ☐ ☐

B. Soil

☐ ☐ ☒

C. Med Soil

☐ ☐ ☒

Note: The LCS is spiked with the same analytes at the same concentrations as the matrix spike (SW-846 8000C, Section 9.5). If different make note in data assessment. Matrix/LCS spiking standards should be prepared from volatile organic compounds which are representative of the compounds being investigating. At a minimum, the matrix spike should include 1,1-dichloroethene, trichloroethene, chlorobenzene, toluene, and benzene.

ACTION: If any MS/MD, MS/MSD or replicate data are missing, take the action specified in 3.2 above.

4.3 Have in house LCS recovery limits been developed (Method 8000C, Sect 9.7). ☒ ☐ ☐

4.4 If in house limits are not developed, are LCS acceptance recovery limits between 70 - 130% (Method 8000c Sect 9.5)? ☐ ☐ ☒

4.5 Were one or more of the volatile LCS recoveries outside the in house laboratory recovery criteria for spiked analytes? ~~If in house limits are not present use 70 - 130% recovery limits.~~ ☒ ☐ ☐

YES NO N/A

Table 3. LCS Actions for Volatile Analysis

Criteria	Action	
	Detected Spiked Compounds	Non-Detected Spiked Compounds
%R > Upper Acceptance Limit	J	No Qualifiers
%R < Lower Acceptance Limit	J	UJ
Lower Acceptance Limit \leq %R	No Qualifications	

5.0 Matrix Spikes (Form III or equivalent)

5.1 Are all data for matrix spike and matrix duplicate or matrix spike duplicate (MS/MD or MS/MSD) present and complete for each matrix? 11 — ✓

NOTE: The laboratory should use one matrix spike and a duplicate analysis of an unspiked field sample if target analytes are expected in the sample. If the sample is not expected to contain target analytes, a MS/MSD should be analyzed (SW-846, Method 8260B, Sect 8.4.2).

5.2 Have MS/MD or MS/MSD results been summarized on modified CLP Form III? 11 — ✓

ACTION: If any data are missing take action as specified in section 3.2 above.

5.3 Were matrix spikes analyzed at the required frequency for each of the following matrices? (One MS/MD, MS/MSD or laboratory replicate must be performed for every 20 samples

YES NO N/A

of similar matrix or concentration level. Laboratories analyzing one to ten samples per month are required to analyze at least one MS per month [page 8000C, section 9.5.])

a. Water	<u>11</u>	—	✓
b. Waste	<u>11</u>	—	✓
c. Soil/Solid	<u>11</u>	—	✓

Note: The LCS is spiked with the same analytes at the same concentrations as the matrix spike (SW-846 8000C, Section 9.5). If different make note in data assessment. Matrix/LCS spiking standards should be prepared from volatile organic compounds which are representative of the compounds being investigating. At a minimum, the matrix spike should include 1,1-dichloroethene, trichloroethene, chlorobenzene, toluene, and benzene. The concentration of the LCS should be determined as described SW-Method 8000C Section 9.5.

ACTION: If any MS/MD, MS/MSD or replicate data are missing, take the action specified in 3.2 above.

5.4 Have in house MS recovery limits been developed (Method 8000C, Sect 9.7) for each matrix. 11 — —

5.5 Were one or more of the volatile MS/MSD recoveries outside of the in-house laboratory recovery criteria for spiked analytes? If none are present, then use 70-130% recovery as per SW-846, 8000C, Sect. 9.5.4. 11 — ✓

ACTION: Circle all outliers with a red pencil.

NOTE: If any individual % recovery in the MS (or MSD) falls outside the designated range for recovery the reviewer should determine if there is a matrix effect. A matrix effect is indicated if the LCS data are within limits but the MS data exceeds the limits.

YES NO N/A

NOTE: No qualification of data is necessary on MS and MSD data alone. However, using informed professional judgement, the data reviewer may use MS and MSD results in conjunction with other QC criteria to determine the need for some qualification.

Note: The data reviewer should first try to determine to what extent the results of the MS and MSD affect the associated data. This determination should be made with regard to the MS and MSD sample itself, as well as specific analytes for all samples associated with the MS and MSD.

Note: In those instances where it can be determined that the results of the MS and MSD affect only the sample spiked, limit qualification to this sample only. However, it may be determined through the MS and MSD results that a laboratory is having a systematic problem in the analysis of one or more analytes that affect all associated samples, and the reviewer must use professional judgement to qualify the data from all associated samples.

Note: The reviewer must use professional judgement to determine the need for qualification of non-spiked compounds.

ACTION: Follow criteria in Table 4 when professional judgement deems qualification of sample.

Table 4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Actions for Volatile Analysis

Criteria	Action	
	Detected Spiked Compounds	Non-Detected Spiked Compounds
%R > Upper Acceptance Limit	J	No Qualifiers
%R < Lower Acceptance Limit	J	UJ
Lower Acceptance Limit ≤ %R	No Qualifications	

YES NO N/A

6.0 Blank (CLP Form IV Equivalent)

6.1 Is the Method Blank Summary form present? 1/1 — —

6.2 Frequency of Analysis: Has a method blank been analyzed for every 20 (or less) samples of similar matrix or concentration or each extraction batch? 1/1 — —

6.3 Has a method blank been analyzed for each GC/MS system used ? 1/1 — —

ACTION: If any blank data are missing, take action as specified above (section 3.2). If blank data is not available, reject @ all associated positive data. However, using professional judgement, the data reviewer may substitute field blank data for missing method blank data.

6.4 Chromatography: review the blank raw data - chromatograms, quant reports or data system printouts.

Is the chromatographic performance (baseline stability) for each instrument acceptable for volatile organic compounds? 1/1 — —

7.0 Contamination

NOTE: "Water blanks", "drill blanks" and "distilled water blanks" are validated like any other sample and are not used to qualify the data. Do not confuse them with the other QC blanks discussed below.

7.1 Do any method/instrument/reagent blanks have positive results for target analytes and/or TICs? When applied as described below, the contaminant concentration in these blanks are multiplied by the sample dilution factor and corrected for percent moisture where necessary. 1/1 — —

YES NO N/A

7.2 Do any field/rinse blanks have positive
volatile organic compound results?

 / 1

ACTION: Prepare a list of the samples associated with each
of the contaminated blanks. (Attach a separate
sheet.)

NOTE: All field blank results associated to a particular
group of samples (may exceed one per case or one
per day) may be used to qualify data. Blanks may
not be qualified because of contamination in
another blank. Field blanks must be qualified for
surrogate, or calibration QC problems.

ACTION: Follow the directions in Table 5 below to qualify
sample results due to contamination. Use the
largest value from all the associated blanks.

Table 5. Volatile Organic Analysis Blank Contamination Criteria

Blank Type	Blank Result	Sample Result	Action for Samples
Method, Storage, Field, Trip, Instrument**	Detects	Not detected	No qualification
	< CRQL*	< CRQL	Report CRQL value with a U
		≥ CRQL	Use professional judgement
	> CRQL*	< CRQL	Report CRQL value with a U
		≥ CRQL and < blank contamination	Report the concentration for the sample with a U, or qualify the data as unusable R
		≥ CRQL and ≥ blank contamination	Use professional judgement
	= CRQL*	< CRQL	Report CRQL value with a U
		≥ CRQL	Use professional judgement
	Gross contamination	Detects	Qualify results as unusable R

* 2x the CRQL for methylene chloride, 2-butanone, and acetone

** Qualifications based on instrument blank results affect only the sample analyzed immediately after the sample that has target compounds that exceed the calibration range or non-target compounds that exceed 100 ug/L.

NOTE: If gross blank contamination exists(e.g., saturated peaks, "hump-o-grams," "junk" peaks), all affected positive compounds in the associated samples should be qualified as unusable "R", due to interference. Non-detected volatile organic target compounds do not require qualification unless the contamination is so high that it interferes with the analyses of non-detected compounds.

YES NO N/A

7.3 Are there field/rinse/equipment blanks associated with every sample?

☒ ☐ ☐

ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

8.0 GC/MS Apparatus and Materials

8.1 Did the lab use the proper gas chromatographic column(s) for analysis of volatiles by Method 8260B? Check raw data, instrument logs or contact the lab to determine what type of column(s) was (were) used.

☒ ☐ ☐

NOTE: For the analysis of volatiles, the method requires the use of 60 m. x 0.75 mm capillary column, coated with VOCOL(Supelco) or equivalent column. (see SW-846, page 8260B-7, section 4.9.2)

ACTION: If the specified column, or equivalent, was not used, document the effects in the Data Assessment. Use professional judgement to determine the acceptability of the data.

9.0 GC/MS Instrument Performance Check (CLP Form V Equivalent)

9.1 Are the GC/MS Instrument Performance Check forms present for Bromofluorobenzene (BFB), and do these forms list the associated samples with date/time analyzed?

☒ ☐ ☐

9.2 Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the BFB provided for each twelve hour shift?

☒ ☐ ☐

9.3 Has an instrument performance check solution (BFB)

YES NO N/A

been analyzed for every twelve hours of sample
analysis per instrument?(see Table 4, SW-846,
page 8260B-36)

☒ ☐ ☐

ACTION: List date, time, instrument ID, and sample
analyses for which no associated GC/MS GC/MS tuning data are
available.

ACTION: If the laboratory/project officer cannot provide missing
data, reject ("R") all data generated outside an acceptable
twelve hour calibration interval.

ACTION: If mass assignment is in error, flag all associated sample
data as unusable, "R".

9.4 Have the ion abundances been normalized to m/z 95?

☒ ☐ ☐

9.5 Have the ion abundance criteria been met for
each instrument used?

☒ ☐ ☐

ACTION: List all data which do not meet ion abundance
criteria (attach a separate sheet).

ACTION: If ion abundance criteria are not met, take action as
specified in section 3.2.

9.6 Are there any transcription/calculation errors
between mass lists and reported values? (Check at least
two values but if errors are found, check more.)

☐ ☒ ☐

9.7 Have the appropriate number of significant
figures (two) been reported?

☒ ☐ ☐

ACTION: If large errors exist, take action as specified in
section 3.2.

9.8 Are the spectra of the mass calibration compounds acceptable.

☒ ☐ ☐

ACTION: Use professional judgement to determine whether associated
data should be accepted, qualified, or rejected.

YES NO N/A

10.0 Target Analytes (CLP Form I Equivalent)

10.1 Are the Organic Analysis reporting forms present with required header information on each page, for each of the following:

- | | | | |
|--|-------------------------------------|--------------------------|-------------------------------------|
| a. Samples and/or fractions as appropriate | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Matrix spikes and matrix spike duplicates | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c. Blanks | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| d. Laboratory Control Samples | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

10.2 Are the reconstructed Ion Chromatograms, mass spectra for the identified compounds, and the data system printouts (Quant Reports) included in the sample package for each of the following?

- | | | | |
|---|--------------------------|--------------------------|-------------------------------------|
| a. Samples and/or fractions as appropriate | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b. Matrix spikes and matrix spike duplicates
(Mass spectra not required) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c. Blanks | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d. Laboratory Control Samples | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

ACTION: If any data are missing, take action specified in 3.2 above.

10.3 Is chromatographic performance acceptable with respect to:

- | | | | |
|---------------------|--------------------------|--------------------------|-------------------------------------|
| Baseline stability? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|---------------------|--------------------------|--------------------------|-------------------------------------|

YES NO N/A

Resolution?

☐ ☐ ☒

Peak shape?

☐ ☐ ☒

Full-scale graph (attenuation)?

☐ ☐ ☒

Other: _____

ACTION: Use professional judgement to determine the acceptability of the data.

10.4 Are the lab-generated standard mass spectra of identified volatile compounds present for each sample? ☐ ☐ ☒

ACTION: If any mass spectra are missing, take action specified in 3.2 above. If the lab does not generate their own standard spectra, make a note in the Data Assessment. If spectra are missing, contact the lab for missing spectra.

10.5 Is the RRT of each reported compound within 0.06 RRT units of the standard RRT in the continuing calibration? ☐ ☐ ☒

10.6 Are all ions present in the standard mass spectrum at a relative intensity greater than 10% (of the most abundant ion) also present in the sample mass spectrum? ☐ ☐ ☒

10.7 Do the relative intensities of the characteristic ions in the sample agree within $\pm 30\%$ of the corresponding relative intensities in the reference spectrum? ☐ ☐ ☒

ACTION: Use professional judgement to determine acceptability of data. If it is determined that incorrect identifications were made, all such data should be rejected ("R"), flagged ("N") - Presumptive evidence of the presence of the compound) or changed to non detected ("U") at the calculated detection limit. In order to be

YES NO N/A

positively identified, the data must comply with the criteria listed in 9.6, 9.7, and 9.8.

ACTION: When sample carry-over is a possibility, professional judgement should be used to determine if instrument cross-contamination has affected any positive compound identification.

11.0 Tentatively Identified Compounds (TIC) (CLP Form I/TIC Equivalent)

11.1 If Tentatively Identified Compound were required for this project, are all Tentatively Identified Compound reporting forms present; and do listed TICs include scan number or retention time, estimated concentration and a qualifier? ☒ ☐ ☐

NOTE: Add "N" qualifier to all TICs which have CAS number, if missing.

NOTE: Have the project officer/appropriate official check the project plan to determine if lab was required to identify non-target analytes (SW-846, page 8260B-23, Sect. 7.6.2).

11.2 Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following:

a. Samples and/or fractions as appropriate ☒ ☐ ☐

b. Blanks ☒ ☐ ☐

ACTION: If any TIC data are missing, take action specified in 3.2 above.

ACTION: Add "JN" qualifier only to analytes identified by a CAS#.

NOTE: If TICs are present in the associated blanks take action as specified in section 3.2 above.

YES NO N/A

11.3 Are any priority pollutants listed as TIC compounds (i.e., an BNA compound listed as a VOA TIC)? ☒ ☐ ☐

ACTION: 1. Flag with "R" any target compound listed as a TIC.
2. Make sure all rejected compounds are properly reported if they are target compounds.

11.4 Are all ions present in the reference mass spectrum with a relative intensity greater than 10% (of the most abundant ion) also present in the sample mass spectrum? ☒ ☐ ☐

11.5 Do TIC and "best match" standard relative ion intensities agree within $\pm 20\%$? ☒ ☐ ☐

ACTION: Use professional judgement to determine acceptability of TIC identifications. If it is determined that an incorrect identification was made, change the identification to "unknown" or to some less specific identification (example: "C3 substituted benzene") as appropriate. Also, when a compound is not found in any blank, but is a suspected artifact of a common laboratory contaminant, the result should be qualified as unusable, "R". (Common lab contaminants: CO₂ (M/E 44), Siloxanes (M/E 73), Hexane, Aldol Condensation Products, Solvent Preservatives, and related byproducts).

12.0 Compound Quantitation and Reported Detection Limits

12.1 Are there any transcription/calculation errors in organic analysis reporting form results? Check at least two positive values. Verify that the correct internal standard, quantitation ion, and average initial RRF/CF were used to calculate organic analysis reporting form result. Were any errors found? ☒ ☐ ☐

NOTE: Structural isomers with similar mass spectra, but insufficient GC resolution (i.e. percent valley between the two peaks > 25%) should be

YES NO N/A

reported as isomeric pairs. The reviewer should check the raw data to ensure that all such isomers were included in the quantitation (i.e., add the areas of the two coeluting peaks to calculate the total concentration).

12.2 Are the method CRQL's adjusted to reflect sample dilutions and, for soils, sample moisture?

☒ ☐ ☐

ACTION: If errors are large, take action as specified in section 3.2 above.

ACTION: When a sample is analyzed at more than one dilution, the lowest detection limits are used (unless a QC accedence dictates the use of the higher detection limit from the diluted sample data). Replace concentrations that exceed the calibration range in the original analysis by crossing out the "E" and it's associated value on the original reporting form (if present) and substituting the data from the analysis of the diluted sample. Specify which organic analysis reporting form is to be used, then draw a red "X" across the entire page of all reporting forms that should not be used, including any in the summary package.

13.0 Standards Data (GC/MS)

13.1 Are the Reconstructed Ion Chromatograms, and data system printouts (Quant Reports) present for initial and continuing calibration?

☒ ☐ ☐

ACTION: If any calibration standard data are missing, take action specified in section 3.2 above.

14.0 GC/MS Initial Calibration (CLP Form VI Equivalent)

YES NO N/A

14.1 Are the Initial Calibration reporting forms present and complete for the volatile fraction? 11 — — /

ACTION: If any calibration forms or standard raw data are missing, take action specified in section 3.2 above.

ACTION: If the percent relative standard deviation (% RSD) is > 20%, (8000C-39) qualify positive results for that analyte "J". When % RSD > 90%,. Qualify all positive results for that analyte "J" and all non-detects results for that analyte "R".

14.2 Are all average RRFs > 0.050? 11 — — /

NOTE: (Method Requirement) For SPCC compounds, the individual RRF values must be \geq the values in the following list. If individual RRF values reported are below the listed values document in the Data Assessment.

Chloromethane	0.10
1,1-Dichloroethane	0.10
Bromoform	0.10
Chlorobenzene	0.30
1,1,2,2-Tetrachloroethane	0.30

ACTION: Circle all outliers with red pencil.

ACTION: For any target analyte with average RRF < 0.05, or for the requirements for the 5 compounds in 14.2 above, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R".

14.3 Are response factors stable over the concentration range of the calibration. 11 — — /

NOTE: (Method Requirement) For the following CCC compounds, the %RSD values must be \leq 30.0%. If %RSD values reported are > 30.0% document in the Data Assessment.

YES NO N/A

1,1-Dichloroethene
Chloroform
1,2-Dichloropropane
Toluene
Ethylbenzene
Vinyl chloride

ACTION: Circle all outliers with a red pencil.

ACTION: If the % RSD is > 20.0%, or > 30% for the 6 compounds in 14.3 above, qualify positive results for that analyte "J" and non-detects using professional judgement. When RSD > 90%, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R".

NOTE: The above data qualification action applies regardless of method requirements.

NOTE: Analytes previously qualified "U" due to blank contamination are still considered as "hits" when qualifying for calibration criteria.

14.4 Was the % RSD determined using RRF or CF?

11 — /

If no, what method was used to determine the linearity of the initial calibration? Document any effects to the case in the Data Assessment.

14.5 Are there any transcription/calculation errors in the reporting of RRF or % RSD? (Check at least two values but if errors are found, check more.)

11 — /

ACTION: Circle errors with a red pencil.

ACTION: If errors are large, take action as specified in section 3.2 above.

15.0 GC/MS Calibration Verification (CLP Form VII Equivalent)

YES NO N/A

15.1 Are the Calibration Verification reporting forms present and complete for all compounds of interest? 11 — —

15.2 Has a calibration verification standard been analyzed for every twelve hours of sample analysis per instrument? 11 — —

ACTION: List below all sample analyses that were not within twelve hours of a calibration verification analysis for each instrument used.

ACTION: If any forms are missing or no calibration verification standard has been analyzed twelve hours prior to sample analysis, take action as specified in section 3.2 above. If calibration verification data are not available, flag all associated sample data as unusable ("R").

15.3 Was the % D determined from the calibration verification determined using RRF or CF? 11 — —

If no, what method was used to determine the calibration verification? Document any effects to the case in the Data Assessment.

15.4 Do any volatile compounds have a % D (difference or drift) between the initial and continuing RRF or CF which exceeds 20% (SW-846, page 8260B-19, section 7.4.5.2). 11 — —

NOTE: (Method Requirement) For the following CCC compounds, the %D values must be $\leq 20.0\%$. If %D values reported are $> 20.0\%$ document in the Data Assessment.

1,1-Dichloroethene
Chloroform
1,2-Dichloropropane
Toluene
Ethylbenzene
Vinyl chloride

YES NO N/A

ACTION: Circle all outliers with a red pencil.

ACTION: Qualify both positive results and non-detects for the outlier compound(s) as estimated, "J". When %D is above 90%, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R".

NOTE: The above data qualification action applies regardless of method requirements.

15.5 Do any volatile compounds have a RRF < 0.05? ☒ ☐ ☐

NOTE: (Method Requirement) For SPCC compounds, the individual RRF values must be \geq the values in the following list for each calibration verification. If average RRF values reported are below the listed values document in the data assessment.

Chloromethane	0.10
1,1-Dichloroethane	0.10
Bromoform	0.10
Chlorobenzene	0.30
1,1,2,2-Tetrachloroethane	0.30

ACTION: Circle all outliers with a red pencil.

ACTION: If RRF < 0.05, or < the requirements for the 5 compounds in section 15.5 above, qualify all positive results for that analyte "J" and all non-detect results for that analyte "R".

NOTE: The above data qualification action applies regardless of method requirements.

16.0 Internal Standards (CLP Form VIII Equivalent)

16.1 Are the internal standard (IS) areas on the internal standard reporting forms of every sample and blank within the upper and lower limits (-50% to + 100%) for each initial mid-point calibration (SW-846, 8260B-20, Sect. 7.4.7)? ☒ ☐ ☐

YES NO N/A

ACTION: If errors are large or information is missing, take action as specified in section 3.2 above.

ACTION: List each outlying internal standard below.

Sample ID	IS #	Area Lower Limit	Area Upper Limit
-----------	------	------------------	------------------

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

(Attach additional sheets if necessary.)

- ACTION:
1. If the internal standard area count is outside the upper or lower limit, flag with "J" all positive results quantitated with this internal standard.
 2. Do not qualify non-detects when the associated IS are counts area > + 100%.
 3. If the IS area is below the lower limit (< - 50%), qualify all associated non-detects (U-values) "J".
 4. If extremely low area counts are reported (< - 25%) or if performance exhibits a major abrupt drop off, flag all associated non-detects as unusable "R" and positive results as estimated "J".

16.2 Are the retention times of all internal standards within 30 seconds of the associated initial mid-point calibration standard (SW-846, 8260B-20, Sect. 7.4.6)?

1 — —

ACTION: Professional judgement should be used to qualify data if the retention times differ by more than 30 seconds.

YES NO N/A

17.0 Field Duplicates

17.1 Were any field duplicates submitted for
volatile analysis?

11 / —

ACTION: Compare the reported results for field duplicates and
calculate the relative percent difference.

ACTION: Any gross variation between field duplicate
results must be addressed in the Data Assessment.
However, if large differences exist, take action
specified in section 3.2 above.

LDC #: 31445D2a **VALIDATION COMPLETENESS WORKSHEET**

SDG #: 480-55212-1

Cat A/Cat B

Laboratory: Test America, Inc.

Date: 3/19/14

Page: 1 of 1

Reviewer: JVG

2nd Reviewer: a

METHOD: GC/MS Semivolatiles (EPA SW 846 Method 8270C)^D

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/29/14
II.	GC/MS Instrument performance check	A	Not reviewed for Cat A review.
III.	Initial calibration	A	Not reviewed for Cat A review. % RSD ≤ 20% 12
IV.	Continuing calibration/ICV	SW	Not reviewed for Cat A review. CV ≤ 20% ICV ≤ 30% 2
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	
VIII.	Laboratory control samples	A	LCS 5
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	SW	
XI.	Target compound identification	A	Not reviewed for Cat A review.
XII.	Compound quantitation/RL/LOQ/LODs	SW	Not reviewed for Cat A review. MDL < Results < RL = Jdet 1/4
XIII.	Tentatively identified compounds (TICs)	N	Not reviewed for Cat A review.
XIV.	System performance	A	Not reviewed for Cat A review.
XV.	Overall assessment of data	A	
XVI.	Field duplicates	ND	D ₁ = 3, 10 D ₂ = 11, 13
XVII.	Field blanks	SW	FB = 30

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

** level N Soil + Water (1)

1	LT-G-060-0-2 **	11	DUP030	21	LT-G-033-0-2	31	LT-G-028-0-2MS
2	LT-G-060-4-6	12	LT-G-030-0-2	22	LT-G-033-2-4	32	LT-G-028-0-2MSD
3	LT-G-060-8-10	13	LT-G-030-4-6	23	LT-G-033-6-8	33	LT-G-032-6-8MS
4	LT-G-028-0-2	14	LT-G-030-6-8	24	LT-G-034-0-2	34	LT-G-032-6-8MSD
5	LT-G-028-4-6	15	LT-G-031-0-2	25	LT-G-034-2-4	35	MB 480-167919/1-A
6	LT-G-028-8-10	16	LT-G-031-4-6	26	LT-G-034-6-8	36	✓ - 167925/1-A
7	LT-G-029-0-2	17	LT-G-031-6-8	27	LT-G-035-0-2	37	✓ - 167847/1-A
8	LT-G-029-2-4	18	LT-G-032-0-2	28	LT-G-035-2-4	38	
9	LT-G-029-8-10	19	LT-G-032-4-6	29	LT-G-035-6-8 **	39	
10	DUP029	20	LT-G-032-6-8	30	FB029 W	40	

(No dilutions)

(33/34 MS/MSD RPD recalcd using % R instead of conc. as spike amounts not the same or close enough.)

VALIDATION FINDINGS WORKSHEET

METHOD: GC/MS SVOA

A. Phenol	T. 4-Chloroaniline	MM. 4-Chlorophenyl-phenyl ether	FFF. Di-n-octylphthalate	YYY. 2,3,5-Trimethylnaphthalene
B. Bis (2-chloroethyl) ether	U. Hexachlorobutadiene	NN. Fluorene	GGG. Benzo(b)fluoranthene	ZZZ. Perylene
C. 2-Chlorophenol	V. 4-Chloro-3-methylphenol	OO. 4-Nitroaniline	HHH. Benzo(k)fluoranthene	AAAA. Dibenzothiophene
D. 1,3-Dichlorobenzene	W. 2-Methylnaphthalene	PP. 4,6-Dinitro-2-methylphenol	III. Benzo(a)pyrene	BBBB. Benzo(a)fluoranthene
E. 1,4-Dichlorobenzene	X. Hexachlorocyclopentadiene	QQ. N-Nitrosodiphenylamine	JJJ. Indeno(1,2,3-cd)pyrene	CCCC. Benzo(b)fluorene
F. 1,2-Dichlorobenzene	Y. 2,4,6-Trichlorophenol	RR. 4-Bromophenyl-phenylether	KKK. Dibenz(a,h)anthracene	DDDD. cis/trans-Decalin
G. 2-Methylphenol	Z. 2,4,5-Trichlorophenol	SS. Hexachlorobenzene	LLL. Benzo(g,h,i)perylene	EEEE. Biphenyl
H. 2,2'-Oxybis(1-chloropropane)	AA. 2-Chloronaphthalene	TT. Pentachlorophenol	MMM. Bis(2-Chloroisopropyl)ether	FFFF. Retene
I. 4-Methylphenol	BB. 2-Nitroaniline	UU. Phenanthrene	NNN. Aniline	GGGG. C30-Hopane
J. N-Nitroso-di-n-propylamine	CC. Dimethylphthalate	VV. Anthracene	OOO. N-Nitrosodimethylamine	HHHH. 1-Methylphenanthrene
K. Hexachloroethane	DD. Acenaphthylene	WW. Carbazole	PPP. Benzoic Acid	IIII. 1,4-Dioxane
L. Nitrobenzene	EE. 2,6-Dinitrotoluene	XX. Di-n-butylphthalate	QQQ. Benzyl alcohol	JJJJ. Acetophenone
M. Isophorone	FF. 3-Nitroaniline	YY. Fluoranthene	RRR. Pyridine	KKKK. Atrazine
N. 2-Nitrophenol	GG. Acenaphthene	ZZ. Pyrene	SSS. Benzidine	LLLL. Benzaldehyde
O. 2,4-Dimethylphenol	HH. 2,4-Dinitrophenol	AAA. Butylbenzylphthalate	TTT. 1-Methylnaphthalene	MMMM. Caprolactam
P. Bis(2-chloroethoxy)methane	II. 4-Nitrophenol	BBB. 3,3'-Dichlorobenzidine	UUU. Benzo(b)thiophene	NNNN.
Q. 2,4-Dichlorophenol	JJ. Dibenzofuran	CCC. Benzo(a)anthracene	VVV. Benzonaphthothiophene	OOOO.
R. 1,2,4-Trichlorobenzene	KK. 2,4-Dinitrotoluene	DDD. Chrysene	WWW. Benzo(e)pyrene	PPPP.
S. Naphthalene	LL. Diethylphthalate	EEE. Bis(2-ethylhexyl)phthalate	XXX. 2,6-Dimethylnaphthalene	QQQQ.

LDC #: 31445 D2a

VALIDATION FINDINGS WORKSHEET

Continuing Calibration

Page: 1 of 1

Reviewer: JVG

2nd Reviewer: CJ

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

Y(N)N/A Were percent differences (%D) $\leq 20\%$ and relative response factors (RRF) within the method criteria?

[illegible]

LDC #: 31445 D2a**VALIDATION FINDINGS WORKSHEET**
Field BlanksPage: 1 of 1
Reviewer: JVG
2nd Reviewer: OL**METHOD:** GC/MS BNA (EPA SW 846 Method 8270D)Y / N / N/A Were field blanks identified in this SDG?Y / N / N/A Were target compounds detected in the field blanks?Blank units: ug / L Associated sample units: ug / kgSampling date: 2/24/14Field blank type: (circle one) Field Blank / Rinsate / Other: _____ Associated Samples: All S (ND)

Compound	Blank ID	Sample Identification								
	<u>30</u>	Action level								
<u>XX</u>	<u>0.38</u>	<u>< RL</u>								

Blank units: _____ Associated sample units: _____

Sampling date: _____

Field blank type: (circle one) Field Blank / Rinsate / Other: _____ Associated Samples: _____

Compound	Blank ID	Sample Identification								

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

Common contaminants such as the phthalates and TICs noted above that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

LDC #: 31445 D2a

VALIDATION FINDINGS WORKSHEET

Page: 1 of 1

Reviewer: JVG

2nd Reviewer: CS

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

• Y N N/A Were all internal standard area counts within -50 to +100 of the associated calibration standard?

Y	N	N/A	Were the retention times of the internal standards within +/- 30 seconds of the retention times of the associated calibration standard?

[illegible]

* QC limits are advisory

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

LDC #: 31445D2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 2
Reviewer: JVG
2nd Reviewer: ca

METHOD: GC/MS SVOA (EPA SW 846 Method 8270D)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$$RRF = (A_x)(C_{is}) / (A_{is})(C_x)$$

average RRF = sum of the RRFs/number of standards

$$\%RSD = 100 * (S/X)$$

 A_x = Area of Compound C_x = Concentration of compound,

S = Standard deviation of the RRFs,

 A_{is} = Area of associated internal standard C_{is} = Concentration of internal standard

X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (IS)	Reported RRF (RRF50 std)	Recalculated RRF (RRF50 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL HP5973X	2/5/2014	Phenol (IS1)	1.8505	1.8505	1.8320	1.8320	4.5	4.5
			Nitrobenzene (IS2)	0.3624	0.3624	0.3576	0.3576	5.2	5.2
			2,4,5-TCP (IS3)	0.3789	0.3789	0.3765	0.3765	2.2	2.2
			Hexachlorobenzene (IS4)	0.2314	0.2314	0.2332	0.2332	5.4	5.4
			Bis(2-ethex)phthalate (IS5)	0.8717	0.8717	0.8967	0.8967	3.0	3.0
			Benzo(a)pyrene (IS6)	1.0636	1.0636	1.0592	1.0591	0.5	0.5

LDC #: 31445D2a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 2 of 2
Reviewer: JVG
2nd Reviewer: CR

METHOD: GC/MS SVOA (EPA SW 846 Method 8270D)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$$RRF = (A_x)(C_{is}) / (A_{is})(C_x)$$

average RRF = sum of the RRFs/number of standards

$$\%RSD = 100 * (S/X)$$

 A_x = Area of Compound C_x = Concentration of compound,

S= Standard deviation of the RRFs,

 A_{is} = Area of associated internal standard C_{is} = Concentration of internal standard

X = Mean of the RRFs

#	Standard ID	Calibration Date	Compound (IS)	Reported RRF (RRF50 std)	Recalculated RRF (RRF50 std)	Reported Average RRF (Initial)	Recalculated Average RRF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL HP5973U	2/14/2014	Phenol (IS1)	1.8346	1.8346	1.7952	1.7952	9.8	9.8
			Nitrobenzene (IS2)	0.3508	0.3508	0.3321	0.3321	11.0	11.2
			2,4,5-TCP (IS3)	0.3817	0.3817	0.3760	0.3760	6.1	6.1
			4,6-Dinitro-2-mp (IS4)	0.1427	0.1427	0.1282	0.1282	12.0	12.2
			Bis(2-ethex)phthalate (IS5)	0.9056	0.9056	0.8390	0.8390	9.0	9.0
			Benzo(a)pyrene (IS6)	1.1156	1.1156	1.0627	1.0627	9.3	9.3

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

METHOD: GC/MS SVOA (EPA SW 846 Method 8270D)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

$$\% \text{ Difference} = 100 * (\text{ave. RRF} - \text{RRF}) / \text{ave. RRF}$$

$$\text{RRF} = (\text{Ax})(\text{Cis}) / (\text{Ais})(\text{Cx})$$

Where:

ave. RRF = initial calibration average RRF

RRF = continuing calibration RRF

Ax = Area of compound

Cx = Concentration of compound

Ais = Area of associated internal standard

Cis = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (IS)	Average RRF (Initial RRF)	Reported (CC RRF)	Recalculated (CC RRF)	Reported %D	Recalculated %D
1	U3897	02/28/14	Phenol (IS1)	1.7952	1.8508	1.8508	3.1	3.1
			Nitrobenzene (IS2)	0.3321	0.3505	0.3505	5.5	5.5
			2,4,5-TCP (IS3)	0.3760	0.4375	0.4375	16.4	16.4
			4,6-Dinitro-2mp (IS4)	0.1282	0.1538	0.1538	20.0	20.0
			Bis(2-ethex)phthalate (IS5)	0.8390	0.9632	0.9632	14.8	14.8
			Benzo(a)pyrene (IS6)	1.0627	1.1367	1.1367	7.0	7.0
2	X0088150	03/04/14	Phenol (IS1)	1.8320	1.6989	1.6989	7.3	7.3
			Nitrobenzene (IS2)	0.3576	0.3630	0.3630	1.5	1.5
			2,4,5-TCP (IS3)	0.3765	0.3512	0.3512	6.7	6.7
			Hexachlorobenzene (IS4)	0.2332	0.2411	0.2411	3.4	3.4
			Bis(2-ethex)phthalate (IS5)	0.8967	0.9362	0.9362	4.4	4.4
			Benzo(a)pyrene (IS6)	1.0592	1.0236	1.0236	3.4	3.4

LDC #: 31445 D2a**VALIDATION FINDINGS WORKSHEET**
Surrogate Results VerificationPage: 1 of 1Reviewer: JVG2nd reviewer: Ca**METHOD:** GC/MS Semivolatiles (EPA SW 846 Method 8270D)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: $SF/SS \times 100$ Where: SF = Surrogate Found
SS = Surrogate SpikedSample ID: # 1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5	50.0	48.6	97	97	0
2-Fluorobiphenyl		49.6	99	99	
Terphenyl-d14		63.1	126	126	
Phenol-d5		43.1	86	86	
2-Fluorophenol		39.6	79	79	
2,4,6-Tribromophenol		50.0	101	101	
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Nitrobenzene-d5					
2-Fluorobiphenyl					
Terphenyl-d14					
Phenol-d5					
2-Fluorophenol					
2,4,6-Tribromophenol					
2-Chlorophenol-d4					
1,2-Dichlorobenzene-d4					

LDC #: 31445 D 2c

VALIDATION FINDINGS WORKSHEET **Matrix Spike/Matrix Spike Duplicates Results Verification**

Page: 1 of 1
 Reviewer: JVG
 2nd Reviewer:

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = $100 * (SSC - SC) / SA$

Where: SSC = Spiked sample concentration
 SA = Spike added

SC = Sample concentration

RPD = $|MSC - MSC| * 2 / (MSC + MSDC)$

MSC = Matrix spike concentration

MSDC = Matrix spike duplicate concentration

MS/MSD samples: 33/34

Compound	Spike Added (ug/kg)		Sample Concentration (ug/kg)	Spiked Sample Concentration (ug/kg)		Matrix Spike		Matrix Spike Duplicate		MS/MSD	
	MS	MSD		MS	MSD	Percent Recovery		Percent Recovery		RPD	
						Reported	Recalc	Reported	Recalc	Reported	Recalc
Phenol	3540	2660	0	2800	2090	79	79	79	79	29	0
N-Nitroso-di-n-propylamine				3380	2560	95	95	96	96	27	1
4-Chloro-3-methylphenol				3650	2730	103	103	103	103	29	0
Acenaphthene				2420	2510	97	97	95	95	31	2
Pentachlorophenol	7090	5320		7410	5440	104	104	102	102	31	2
Pyrene	3540	2660		4500	3060	127	127	115	115	78	10

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

Spike amounts not used in RPD recalc., used 2R instead
 (Spike amounts not close)

LDC #: 31245 D2C

VALIDATION FINDINGS WORKSHEET

Page: 1 of 1Laboratory Control Sample/Laboratory Control Sample Duplicates Results VerificationReviewer: JVG2nd Reviewer: 9

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = $100 * (SC/SA)$

Where: SSC = Spike concentration

SA = Spike added

RPD = $|LCSC - LCSDC| * 2 / (LCSC + LCSDC)$

LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: LCS 480-167919 / 2-A

Compound	Spike Added (ug/kg)		Spike Concentration (ug/kg)		LCS		LCSD		LCS/LCSD	
					Percent Recovery		Percent Recovery		RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
Phenol	2300	NA	2610	NA	79	79				
N-Nitroso-di-n-propylamine			3100		94	94				
4-Chloro-3-methylphenol			3100		94	94				
Acenaphthene			2590		79	79				
Pentachlorophenol	6600		6190		94	94				
Pyrene	3300		3190		797	797				

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #:

Sample Calculation Verification

Page: 1 of 1

Reviewer: JVG

2nd reviewer: CA

METHOD: GC/MS BNA (EPA SW 846 Method 8270D)

Y	N	N/A
Y	N	N/A

Were all reported results recalculated and verified for all level IV samples?

Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

$$\text{Concentration} = \frac{(A_v)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

V_o = Volume or weight of sample extract in milliliters (ml) or grams (g).

V_i = Volume of extract injected in microliters (ul)

V_t = Volume of the concentrated extract in microliters (ul)

Df = Dilution Factor.

%S = Percent solids, applicable to soil and solid matrices only.

2.0 = Factor of 2 to account for GPC cleanup

Example:

Sample I.D. 29, EE

$$\text{Conc.} = \frac{(10480) \times (40) \times (1\text{ml}) \times (1080)}{(194766) \times (0.8390) \times (30.51\text{g}) \times (0.922)}$$

$$= 91.2 \text{ ug/kg}$$

[illegible]

YES NO N/A

- E - The concentration of this analyte exceeds the calibration range of the instrument.
- A - Indicates a Tentatively Identified Compound (TIC) is a suspected adol-condensation product.
- X,Y,Z- Laboratory defined flags. The data reviewer must change these qualifiers during validation so that the data user may understand their impact on the data.

I. PACKAGE COMPLETENESS AND DELIVERABLES

CASE NUMBER: SDG# : 31445b / 480-55212-1 LAB: Test Ameria Buffalo

SITE NAME: Glen Island

1.0 Data Completeness and Deliverables

- 1.1 Has all data been submitted in CLP deliverable format? IV

ACTION: If not, note the effect on review of the data in the data assessment narrative.

2.0 Cover Letter, SDG Narrative

- 2.1 Is a laboratory narrative or cover letter present? IV

- 2.2 Are case number and SDG number(s) contained in the narrative or cover letter? IV

YES NO N/A

II.

SEMIVOLATILE ANALYSES

1.0 Traffic Reports and Laboratory Narrative

1.1 Are the Traffic Report Forms present for all samples?

14 — —

ACTION: If no, contact lab for replacement of missing or illegible copies.

1.2 Do the Traffic Reports or Lab Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special notations affecting the quality of the data?

— 14 —

ACTION: If any sample analyzed as a soil, other than TCLP, contains 50%-90% water, all data should be flagged as estimated ("J"). If a soil sample, other than TCLP, contains more than 90% water, all non-detects data are qualified as unusable (R), and detects are flagged "J".

ACTION: If samples were not iced, or if the ice was melted upon arrival at the laboratory and the cooler temperature was elevated (10°C), flag all positive results "J" and all non-detects "UJ".

2.0 Holding Times

2.1 Have any semivolatile technical holding times, determined from date of collection to date of extraction, been exceeded?

— 14 —

Continuous extraction of water samples for semivolatile analysis must be started within 7 days of the date of collection. Soil/sediment samples must be extracted within 14 days of collection. Extracts must be analyzed within

YES NO N/A

40 days of the date of extraction.

Table of Holding Time Violations

(See Traffic Report)

Sample ID	Sample Matrix	Date Sampled	Date Lab Received	Date Extracted	Date Analyzed
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

ACTION: If technical holding times are exceeded, flag all positive results as estimated ("J") and sample quantitation limits as estimated ("UJ"), and document in the narrative that holding times were exceeded.

If analyses were done more than 14 days beyond holding time, either on the first analysis or upon re analysis, the reviewer must use professional judgement to determine the reliability of the data and the effects of additional storage on the sample results. At a minimum, all results should be qualified "J", but the reviewer may determine that non-detect data are unusable ("R"). If holding times are exceeded by more than 28 days, all non-detect data are unusable (R).

YES NO N/A

3.0 Surrogate Recovery (Form II/Equivalent)

3.1 Have the semi volatile surrogate recoveries been listed on CLP Surrogate Recovery forms (Form II) for each of the following matrices:

a. Low Water

☒ ☐ ☐

b. Low/Med Soil

☒ ☐ ☐

3.2 If so, are all the samples listed on the appropriate Surrogate Recovery Summary forms for each matrix:

a. Low Water

☒ ☐ ☐

b. Low/Med Soil

☒ ☐ ☐

ACTION: If CLP deliverables are unavailable, document the effect(s) in data assessments. In some cases the lab may have to be contacted to obtain the data necessary to complete the validation.

3.3 Were outliers marked correctly with an asterisk? ☐ ☐ ☒

ACTION: Circle all outliers in red.

3.4 Were two or more base neutral OR acid surrogate recoveries out of specification for any sample or method blank (Reviewer should use lab in house recovery limits. Use surrogate recovery limits from USEPA National Functional Guidelines January 2005 page 130, if in house limits are not available. See Method 8000B-43 or 8000C-24).

☐ ☒ ☐

Note: Examine lab in house limits for reasonableness.

If yes, were samples re-analyzed?

☐ ☐ ☒

YES NO N/A

Were method blanks re-analyzed?

1 — ☒

ACTION: If all surrogate recoveries are > 10% but two within the base-neutral or acid fraction do not meet method specifications, for the affected fraction only (i.e. either base-neutral or acid compounds):

1. Flag all positive results as estimated ("J").
2. Flag all non-detects as estimated detection limits ("UJ") when recoveries are less than the lower acceptance limit.
3. If recoveries are greater than the upper acceptance limit, do not qualify non-detects.

If any base-neutral or acid surrogate has a recovery of < 10%:

1. Positive results for the fraction with < 10% surrogate recovery are qualified with "J".
2. Non-detects for that fraction should be qualified as unusable (R) .

NOTE: Professional judgement should be used to qualify data that have method blank surrogate recoveries out of specification in both original and reanalyses. Check the internal standard areas.

3.5 Are there any transcription/calculation errors between raw data and Form II?

— 1 —

ACTION: If large errors exist, call lab for explanation/resubmittal, make any necessary corrections and document

YES NO N/A

effect in data assessments.

4.0 Matrix Spikes (Form III/Equivalent)

- 4.1 Have the semivolatile Matrix Spike and Matrix Spike Duplicate/or duplicate unspiked Sample recoveries been listed on the Recovery Form (Form III)?

☒ ☐ ☐

NOTE: Method 3500B/page 4 states the spiking compounds:

Base/neutrals

1,2,4-Trichlorobenzene
Acenaphthene
2,4-Dinitrotoluene
Pyrene
N-Nitroso-di-n-propylamine
1,4-Dichlorobenzene

Acids

Pentachlorophenol
Phenol
2-Chlorophenol
4-Chloro-3-methylphenol
4-Nitrophenol

Note: Some projects may require the spiking of specific compounds of interest.

Note: See Method 8270D-sec 8.4.2 for deciding on whether to prepare and analyze duplicate samples or a matrix spike/matrix spike duplicate. If samples are expected to contain target analytes, then laboratory may use one matrix spike and a duplicate analysis of an unspiked field sample. If samples are not expected to contain target analytes, laboratory should use a matrix spike and matrix spike duplicate pair.

- 4.2 Were matrix spikes analyzed at the required frequency for each of the following matrices:

a. Low Water

☒ ☐ ☐

b. Low Solid

☒ ☐ ☐

c. Med Solid

☒ ☐ ☒

YES NO N/A

ACTION: If any matrix spike data are missing, take the action specified in 3.2 above. It may be necessary to contact the lab to obtain the required data.

NOTE: If the data has not been reported on CLP equivalent form, then the laboratory must provide the information necessary to evaluate the spike recoveries in the MS and MSD. The required data which should have been provided by the lab include the analytes and concentrations used for spiking, background concentrations of the spiked analytes (i.e., concentrations in unspiked sample), methods and equations used to calculate the QC acceptance criteria for the spiked analytes, percent recovery data for all spiked analytes.

The data reviewer must verify that all reported equations and percent recoveries are correct before proceeding to the next section.

4.3 Were matrix spikes performed at concentration equal to 100ug/L for acid compounds, and 200ug/L for base compounds (Method 3500B-4), or those specified in project plan.

14 — —

4.4 How many semivolatile spike recoveries are outside Laboratory in house MS/MSD recovery limits (use recovery limits values in Method 8270D-43&44 Table 6 if in house values not available).

Water

14 out of 26

Solids

0 out of 26

YES NO N/A

4.5 How many RPD's for matrix spike and matrix spike duplicate recoveries are outside QC limits?

Water

NA
____ out of ____

Solids

23/24 8 out of 13

ACTION: Circle all outliers with red pencil.

ACTION: No action is taken on MS/MSD data alone.
However, using informed professional judgement, the data reviewer may use the matrix spike and matrix spike duplicate results in conjunction with other QC criteria to determine the need for some qualification of the data.

4.6 Was a Laboratory Control Sample (LCS) analyzed with each analytical batch? 11 ____

NOTE: When the results of the matrix spike analysis indicate a potential problem due to the sample matrix itself, the LCS results are used to verify that the laboratory can perform the analysis in a clean matrix.

5.0 Blanks (Form IV/Equivalent)

5.1 Is the Method Blank Summary (Form IV) present? 11 ____

5.2 Frequency of Analysis:

Has a reagent/method blank analysis been reported per 20 samples of similar matrix, or concentration level, and for each extraction batch?

11 ____

5.3 Has a method blank been analyzed either after

YES NO N/A

the calibration standard or at any other time during the analytical shift for each GC/MS system used ?

☒ ☐ ☐

ACTION: If any method blank data are missing, call lab for explanation/resubmittal. If not available, use professional judgement to determine if the associated sample data should be qualified.

5.4 Chromatography: review the blank raw data - chromatograms (RICs), quant reports or data system printouts and spectra.

Is the chromatographic performance (baseline stability) for each instrument acceptable for the semivolatiles?

☒ ☐ ☐

ACTION: Use professional judgement to determine the effect on the data.

6.0 Contamination

NOTE: "Water blanks", "drill blanks" and "distilled water blanks" are validated like any other sample and are not used to qualify the data. Do not confuse them with the other QC blanks discussed below.

6.1 Do any method/instrument/reagent blanks have positive results for target analytes and/or TICs? When applied as described below, the contaminant concentration in these blanks are multiplied by the sample dilution factor and corrected for percent moisture where necessary.

☐ ☒ ☐

6.2 Do any field/rinse/ blanks have positive results for target analytes and/or TICs (if required, see section 10 below)?

☒ ☐ ☐

YES NO N/A

ACTION: Prepare a list of the samples associated with each of the contaminated blanks.
(Attach a separate sheet.)

NOTE: All field blank results associated to a particular group of samples (may exceed one per case) must be used to qualify data. Blanks may not be qualified because of contamination in another blank. Field Blanks must be qualified for outlying surrogates, poor spectra, instrument performance or calibration QC problems.

ACTION: Follow the directions in the table below to qualify sample results due to contamination. Use the largest value from all the associated blanks. If gross contamination exists, all data in the associated samples should be qualified as unusable (R).

YES NO N/A

Blank Action for Semivolatile Analyses

Blank Type	Blank Result	Sample Result	Action for Samples
Method, Field	Detects	Not detected	No qualification required
	< CRQL *	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification required
	= CRQL *	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification required
	> CRQL *	< CRQL	Report CRQL value with a U
		≥ CRQL and < blank contamination	Report concentration of sample with a U
		≥ CRQL and ≥ blank contamination	No qualification required

NOTE: Analytes qualified "U" for blank contamination are still considered as "hits" when qualifying for calibration criteria.

NOTE: If the laboratory did not report TIC analyses, check the project plans to verify whether or not it was required.

6.3 Are there field/rinse/equipment blanks associated with every sample? ☒ ☐ ☐

ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

6.4 Was a instrument blank analyzed after each sample/dilution which contained a target compound

YES NO N/A

that exceeded the initial calibration range.

☒ ☐ ☒

6.5 Does the instrument blank have positive results for target analytes and/or TICs?

☐ ☒ ☒

Note: Use professional judgement to determine if carryover occurred and qualify analytes accordingly.

7.0 GC/MS Apparatus and Materials

7.1 Did the lab use the proper gas chromatographic column for analysis of semivolatiles by Method 8270D? Check raw data, instrument logs or contact the lab to determine what type of column was used. The method requires the use of 30 m x 0.25 mm ID (or 0.32 mm ID), silicone-coated, fused silica, capillary column.

☒ ☐ ☐

ACTION: If the specified column, or equivalent, was not used, document the effects in the data assessment. Use professional judgement to determine the acceptability of the data.

8.0 GC/MS Instrument Performance Check (Form V/Equivalent)

8.1 Are the GC/MS Instrument Performance Check Forms (Form V) present for decafluorotriphenylphosphine (DFTPP)?

☒ ☐ ☐

NOTE: The performance solution should also contain 4,4-DDT, pentachlorophenol, and benzidine to verify injection port inertness and column performance. The degradation of DDT to DDE and DDD must be less than 20% total and the response of pentachlorophenol and benzidine should be within normal ranges for these compounds (based upon lab experience) and show no peak degradation or tailing before samples are analyzed. (see section 5.5

YES NO N/A

page 8270D-12).

8.2 Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the DFTPP provided for each twelve hour shift?

☒ — —

8.3 Has an instrument performance check solution been analyzed for every twelve hours of sample analysis per instrument?

☒ — —

ACTION: List date, time, instrument ID, and sample analyses for which no associated GC/MS tuning data are available.

DATE	TIME	INSTRUMENT	SAMPLE NUMBERS
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

ACTION: If lab cannot provide missing data, reject ("R") all data generated outside an acceptable twelve hour calibration interval.

ACTION: If mass assignment is in error, flag all associated sample data as unusable (R).

8.4 Have the ion abundances been normalized to m/z 198?

☒ — —

8.5 Have the ion abundance criteria been met for each instrument used?

☒ — —

ACTION: List all data which do not meet ion abundance criteria (attach a separate sheet).

YES NO N/A

ACTION: If ion abundance criteria are not met, take action specified in section 3.2

8.6 Are there any transcription/calculation errors between mass lists and Form Vs? (Check at least two values but if errors are found, check more.)

___ ☒ ___

8.7 Have the appropriate number of significant figures (two) been reported?

☒ ___

ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and document effect in data assessments.

8.8 Are the spectra of the mass calibration compound acceptable?

☒ ___

ACTION: Use professional judgement to determine whether associated data should be accepted, qualified, or rejected.

9.0 Target Analytes

9.1 Are the Organic Analysis Data Sheets (Form I) present with required header information on each page, for each of the following:

a. Samples and/or fractions as appropriate

☒ ___

b. Matrix spikes and matrix spike duplicates

☒ ___

c. Blanks

☒ ___

9.2 Has any special cleanup, such as GPC, been performed on all soil/sediment sample extracts (see section 7.2, page 8270D-14)?

☐ ☒ ___

YES NO N/A

ACTION: If data suggests that extract cleanup was not performed, use professional judgement. Make note in the data assessment narrative.

9.3 Are the Reconstructed Ion Chromatograms, mass spectra for the identified compounds, and the data system printouts (Quant Reports) included in the sample package for each of the following?

- | | | | |
|---|-------------------------------------|-----|-----|
| a. Samples and/or fractions as appropriate | <input checked="" type="checkbox"/> | ___ | ___ |
| b. Matrix spikes and matrix spike duplicates
(Mass spectra not required) | <input checked="" type="checkbox"/> | ___ | ___ |
| c. Blanks | <input checked="" type="checkbox"/> | ___ | ___ |

ACTION: If any data are missing, take action specified in 3.2 above.

9.4 Are the response factors shown in the Quant Report?

☐ ☒ ___

9.5 Is chromatographic performance acceptable with respect to:

- | | | | |
|---------------------------------|-------------------------------------|-----|-----|
| Baseline stability? | <input checked="" type="checkbox"/> | ___ | ___ |
| Resolution? | <input checked="" type="checkbox"/> | ___ | ___ |
| Peak shape? | <input checked="" type="checkbox"/> | ___ | ___ |
| Full-scale graph (attenuation)? | <input checked="" type="checkbox"/> | ___ | ___ |
| Other: _____ | <input type="checkbox"/> | ___ | ___ |

ACTION: Use professional judgement to determine the acceptability of the data.

9.6 Are the lab-generated standard mass spectra of identified semivolatile compounds present for

YES NO N/A

each sample?

☒ ☐ ☐

ACTION: If any mass spectra are missing, take action specified in 3.2 above. If the lab does not generate their own standard spectra, make a note in the data assessment narrative. If spectra are missing, reject all positive data.

9.7 Is the RRT of each reported compound within 0.06 RRT units of the standard RRT in the continuing calibration?

☒ ☐ ☐

9.8 Are all ions present in the standard mass spectrum at a relative intensity greater than 10% (of the most abundant ion) also present in the sample mass spectrum?

☒ ☐ ☐

9.9 Do the relative intensities of the characteristic ions in the sample agree within $\pm 30\%$ of the corresponding relative intensities in the reference spectrum?

☒ ☐ ☐

ACTION: Use professional judgement to determine acceptability of data. If it is determined that incorrect identifications were made, all such data should be rejected (R), flagged "N" (Presumptive evidence of the presence of the compound) or changed to not detected (U) at the calculated detection limit. In order to be positively identified, the data must comply with the criteria listed in 9.7, 9.8, and 9.9.

ACTION: When sample carry-over is a possibility, professional judgement should be used to determine if instrument cross-contamination has affected any positive compound identification.

YES NO N/A

10.0 Tentatively Identified Compounds (TIC)

10.1 If Tentatively Identified Compounds were required for this project, are all Form Is, Part B present; and do listed TICs include scan number or retention time, estimated concentration and "JN" qualifier?

NOTE: Review sampling reports to determine if the lab was required to identify non target analytes (refer to section 7.6.2, page 8270D-21).

10.2 Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following:

a. Samples and/or fractions as appropriate

☒ ☐ ☐

b. Blanks

☒ ☐ ☐

ACTION: If any TIC data are missing, take action specified in 3.2 above.

ACTION: Add "JN" qualifier only to analytes identified by CAS #.

10.3 Are any target compounds from one fraction listed as TIC compounds in another (e.g., an acid compound listed as a base neutral TIC)?

☐ ☒ ☐

ACTION: i. Flag with "R" any target compound listed as a TIC.

ii. Make sure all rejected compounds are properly reported in the other fraction.

10.4 Are all ions present in the reference mass spectrum with a relative intensity greater than 10% (of the most abundant ion) also present in the

	YES	NO	N/A
sample mass spectrum?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10.5 Do TIC and "best match" standard relative ion intensities agree within $\pm 20\%$?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ACTION: Use professional judgement to determine acceptability of TIC identifications. If it is determined that an incorrect identification was made, change the identification to "unknown" or to some less specific identification (example: "C3 substituted benzene") as appropriate and remove "JN". Also, when a compound is not found in any blank, but is a suspected artifact of a common laboratory contaminant, the result should be qualified as unusable, "R."

11.0 Compound Quantitation and Reported Detection Limits

11.1 Are there any transcription/calculation errors in Form I results? Check at least two positive values. Verify that the correct internal standard, quantitation ion, and RRF were used to calculate Form I result. Were any errors found?

☐ ☒ ☐

NOTE: Structural isomers with similar mass spectra, but insufficient GC resolution (i.e. percent valley between the two peaks $> 25\%$) should be reported as isomeric pairs. The reviewer should check the raw data to ensure that all such isomers were included in the quantitation (i.e., add the areas of the two coeluting peaks to calculate the total concentration).

11.2 Are the method detection limits adjusted to reflect sample dilutions and, for soils, sample moisture?

☒ ☐ ☐

YES NO N/A

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and document effect in data assessments.

ACTION: When a sample is analyzed at more than one dilution, the lowest detection limits are used (unless a QC exceedance dictates the use of the higher detection limit from the diluted sample data). Replace concentrations that exceed the calibration range in the original analysis by crossing out the "E" and it's associated value on the original Form I (if present) and substituting the data from the analysis of the diluted sample. Specify which Form I is to be used, then draw a red "X" across the entire page of all Form I's that should not be used, including any in the summary package.

12.0 Standards Data (GC/MS)

12.1 Are the Reconstructed Ion Chromatograms, and data system printouts (Quant, Reports) present for initial and continuing calibration? 1/1 — —

ACTION: If any calibration standard data are missing, take action specified in 3.2 above.

13.0 GC/MS Initial Calibration (Form VI/Equivalent)

13.1 Is the Initial Calibration Form (Form VI/Equivalent) present and complete for the semivolatile fraction? 1/1 — —

ACTION: If any calibration forms or standard row data are missing, take action specified in 3.2 above.

13.2 Are all base neutral or acid RRFs > 0.050? 1/1 — —

YES NO N/A

Check the **average RRFs** of the four System Performance Check Compounds (SPCCs): N-nitroso-di-n-propylamine, hexachlorocyclopentadiene, 2,4-dinitrophenol, and 4-nitrophenol. These compounds must have **average RRFs** greater than or equal to 0.05 before running samples and should not show any peak tailing.

ACTION: Circle all outliers in red.

ACTION: For any target analyte with **average RRF** <0.05

1. "R" all non-detects;
2. "J" all positive results.

13.3 Are response factors for base neutral or acid target analytes stable over the concentration range of the calibration (% Relative standard deviation [%RSD] < 20.0%)?

☒ ☐ ☐

NOTE: The % RSD for each individual Calibration Check Compound (CCC, Method 8270D-40 see Table 4) must be less than 30% before analysis can begin. If greater 30%, the lab must clean and recalibrate the instrument.

CALIBRATION CHECK COMPOUNDS

Base/Neutral Fraction	Acid Fraction
Acenaphthene	4-Chloro-3-methylphenol
1,4-Dichlorobenzene	2,4-Dichlorophenol
Hexachlorobutadiene	2-Nitrophenol
Diphenylamine	Phenol
Di-n-octyl phthalate	Pentachlorophenol
Fluoranthene	2,4,6-Trichlorophenol

YES NO N/A

Benzo(a)pyrene

ACTION: If the %RSD for any CCC >30% and no corrective action taken, then "J" qualify all positive hits and "UJ" qualify all non-detects.

ACTION: Circle all outliers in red.

ACTION: If the % RSD is $\geq 20.0\%$, qualify positive results for that analyte "J" and non-detects using professional judgement. When RSD > 90%, flag all non- detect results for that analyte "R," unusable. Alternatively, the lab should calculate first or second order regression fit of the calibration curve and select the fit which introduces the least amount of error.

NOTE: Analytes previously qualified "U" due to blank contamination are still considered as "hits" when qualifying for calibration criteria.

13.4 Did the laboratory calculate the calibration curve by the least squares regression fit?

☒ ☐ ☐

13.5 Are there any transcription/calculation errors in the reporting of average response factors (RRF) or % RSD? (Check at least two values but if errors are found, check more.)

☐ ☒ ☐

ACTION: Circle Errors in red.

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and note errors in data assessments.

13.5 Do the target compounds for this SDG include Pesticides?

☐ ☒ ☐

YES NO N/A

13.6 If the pesticide compounds include DDT, was the percent breakdown of DDT to DDD and DDE greater than 20%?

— 11 /

ACTION: If DDT percent breakdown exceeds 20%:

- i. Qualify all positive results for DDT with "J". If DDT was not detected, but DDD and DDE results are positive, qualify the quantitation limit for DDT as unusable, "R".
- ii. Qualify all positive results for DDD and DDE as presumptively present at an approximate concentration "JN".

14.0 GC/MS Calibration Verification (Form VII/Equivalent)

14.1 Are the Calibration Verification Forms (Form VII) present and complete for all compounds of interest?

11 — —

14.2 Has a calibration verification standard been analyzed for every twelve hours of sample analysis per instrument?

11 — —

ACTION: List below all sample analyses that were not within twelve hours of a calibration verification analysis for each instrument used.

ACTION: If any forms are missing or no calibration verification standard has been analyzed within twelve hours of every sample analysis,

YES NO N/A

call lab for explanation/resubmittal. If continuing calibration data are not available, flag all associated sample data as unusable ("R").

14.3 Do any of the SPCCs have an RRF <0.05? 11

If YES, make a note in data assessment if the lab did not take corrective action specified in section 7.4.4, page 8270D-18. 11

14.4 Do any of the CCCs have a %D between the initial and continuing RRF which exceeds 20.0%? 11

ACTION: If yes, make a note in data assessment.

14.5 Do any semivolatile compounds have a % Difference (% D) between the initial and continuing RRF which exceeds 20.0%? 11

ACTION: Circle all outliers in red.

ACTION: Qualify both positive results and non-detects for the outlier compound(s) as estimated (J). When %D is above 90%, qualify all non-detects for that analyte as "R", unusable.

14.6 Do any semivolatile compounds have a RRF < 0.05? 11

ACTION: Circle all outliers in red.

ACTION: If RRF < 0.05, qualify as unusable ("R") associated non-detects and "J" associated positive values.

14.7 Are there any transcription/calculation errors in the reporting of average response factors (RRF) or percent difference (%D) between initial and continuing RRFs? (Check at least two values but if errors are found, check more). 11

YES NO N/A

ACTION: Circle errors in red.

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and document effect(s) in the data assessments.

15.0 Internal Standards (Form VIII)

15.1 Are the internal standard areas (Form VIII) of every sample and blank within the upper and lower limits (-50% to + 100%) for each continuing calibration?

11 ✓ —

ACTION: List each outlying internal standard below.

Sample ID	IS #	Area	LowerLimit	Upper Limit
<u>29</u>	<u>PRY</u>	<u>106294</u>	<u>140150</u>	<u>560598</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

(Attach additional sheets if necessary.)

Note: Check Table 5, 8270D-41 for associated analytes.

- ACTION:
- i. If the internal standard area count is outside the upper or lower limit, flag with "J" all positive results and non-detects (U values) quantitated with this internal standard.
 - ii. Non-detects associated with IS > 100% should not be qualified.

YES NO N/A

iii. If the IS area is below the lower limit (<50%), qualify all associated non-detects (U-values) "J". If extremely low area counts are reported (<25%) or if performance exhibits a major abrupt drop off, flag all associated non-detects as unusable (R).

15.2 Are the retention times of all internal standards within 30 seconds of the associated calibration standard?

☒ ☐ ☐

ACTION: Professional judgement should be used to qualify data if the retention times differ by more than 30 seconds.

16.0 Laboratory Control Samples (LCS)

16.1 Were any LCS samples run in order to verify analytes which failed criteria for spike recovery?

☒ ☐ ☐

16.2 Did the lab spike LCS sample spiked with the same analytes and the same concentrations as the matrix spike?

☒ ☐ ☐

16.3 Were the mean and standard deviation of all analytes within the QC acceptance ranges as shown in ~~Table 6, 8270D-43?~~ lab limits?

☒ ☐ ☐

ACTION: If the recovery of any analyte falls out of the designated range, the analytical results for that compound is suspect and should be qualified "J" in the unspiked samples.

17.0 Field Duplicates

17.1 Were any field duplicates submitted for semivolatiles analysis?

☒ ☐ ☐

YES NO N/A

ACTION: Compare the reported results for field duplicates and calculate the relative percent difference.

ACTION: Any gross variation between field duplicate results must be addressed in the reviewer narrative. However, if large differences exist, identification of field duplicates should be confirmed by contacting the sampler.

LDC #: 31445D3a
SDG #: 480-55212-1
Laboratory: Test America, Inc.

VALIDATION COMPLETENESS WORKSHEET

Cat A/Cat B

Date: 3/20/14
Page: 1 of 1
Reviewer: JVB
2nd Reviewer: AL

METHOD: GC Chlorinated Pesticides (EPA SW 846 Method 8081A)^B

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/24/14
II.	GC Instrument Performance Check	A	Not reviewed for Cat A review.
III.	Initial calibration	A	Not reviewed for Cat A review. r ²
IV.	Continuing calibration/ICV	SW	Not reviewed for Cat A review. CCV ≤ 20%
V.	Blanks	A	
VI.	Surrogate spikes	SW	
VII.	Matrix spike/Matrix spike duplicates	SW	
VIII.	Laboratory control samples	A	LCS 10
IX.	Regional quality assurance and quality control	N	
X.	Florasil cartridge check	N	
XI.	GPC Calibration	N	
XII.	Target compound identification	A	Not reviewed for Cat A review.
XIII.	Compound quantitation/RL/LOQ/LODs	SW	Not reviewed for Cat A review. MDL < Results < RL = 5 dets
XIV.	Overall assessment of data	A	
XV.	Field duplicates	SW	D ₁ = 3, 10 D ₂ = 11, 13
XVI.	Field blanks	ND	FB = 30

Note: A = Acceptable ND = No compounds detected D = Duplicate
N = Not provided/applicable R = Rinsate TB = Trip blank
SW = See worksheet FB = Field blank EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

Water (1) + Soil

1	LT-G-060-0-2 **	11	DUP030 D ₁	21	LT-G-033-0-2	31	LT-G-028-0-2MS
2	LT-G-060-4-6	12	LT-G-030-0-2 **	22	LT-G-033-2-4	32	LT-G-028-0-2MSD
3	LT-G-060-8-10 D ₁	13	LT-G-030-4-6 D ₂	23	LT-G-033-6-8	33	LT-G-032-6-8MS
4	LT-G-028-0-2	14	LT-G-030-6-8	24	LT-G-034-0-2 ** (10X)	34	LT-G-032-6-8MSD
5	LT-G-028-4-6	15	LT-G-031-0-2	25	LT-G-034-2-4	35	MB 480-167818/1-A
6	LT-G-028-8-10	16	LT-G-031-4-6	26	LT-G-034-6-8	36	-167819/
7	LT-G-029-0-2	17	LT-G-031-6-8	27	LT-G-035-0-2	37	-168003/
8	LT-G-029-2-4	18	LT-G-032-0-2	28	LT-G-035-2-4	38	-167849/
9	LT-G-029-8-10	19	LT-G-032-4-6	29	LT-G-035-6-8	39	
10	DUP029 b ₁	20	LT-G-032-6-8	30	FB029 W	40	

Notes: (Dil due to matrix)

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes: _____

LDC #: 31445 D3C

VALIDATION FINDINGS WORKSHEET Continuing Calibration

Page: 1 of 1

Reviewer: NK2nd Reviewer: SE

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Please see qualifications below for all questions answered "N" Not applicable questions are identified as "N/A".

☒ Y ☐ N ☐ N/A

Were Evaluation mix standards run before initial calibration and before samples?

☒ Y ☐ N ☐ N/AWere Endrin & 4,4'-DDT breakdowns acceptable in the Evaluation Mix standard ($\leq 15.0\%$ for individual breakdowns)?☒ Y ☐ N ☐ N/A

Was at least one standard run daily to verify the working curve?

☒ Y ☐ N ☐ N/ADid the continuing calibration standards meet the percent difference (%D) / relative percent difference (RPD) criteria of $\leq 20.0\%$?

Level IV/D Only

☒ Y ☐ N ☐ N/A

Were the retention times for all calibrated compounds within their respective acceptance windows?

#	Date	Standard ID	Column	Compound	%D (Limit ≤ 20.0)	RT (Limits)	Associated Samples	Qualifications
	2/28/14	5-6053	RTX-CLP1	A	39.8	()	12 (102)	J/US A
				D	40.0	()		
				B	42.0	()		
				C	37.6	()		
				E	49.8	()		
				F	36.6	()		
				G	26.6	()		
						()		
						()		
	1/07/14	25-65064 (10V)	RTX-CLP2	U	32.7	()	12, MB 480-168003/-A (102)	✓
						()		
						()		
						()		
						()		
						()		
						()		
						()		
						()		
						()		
						()		
						()		
						()		
						()		
						()		

A. alpha-BHC

B. beta-BHC

C. delta-BHC

D. gamma-BHC

E. Heptachlor

F. Aldrin

G. Heptachlor epoxide

H. Endosulfan I

I. Dieldrin

J. 4,4'-DDE

K. Endrin

L. Endosulfan II

M. 4,4'-DDD

N. Endosulfan sulfate

O. 4,4'-DDT

P. Methoxychlor

Q. Endrin ketone

R. Endrin aldehyde

S. alpha-Chlordane

T. gamma-Chlordane

U. Toxaphene

V. Aroclor-1016

W. Aroclor-1221

X. Aroclor-1232

Y. Aroclor-1242

Z. Aroclor-1248

AA. Aroclor-1254

BB. Aroclor-1260

CC. DB 608

DD. DB 1701

EE. Hexachlobenzene

FF. _____

GG. _____

HH. _____

II. _____

JJ. _____

LDC #: 31445 D3a**VALIDATION FINDINGS WORKSHEET**
Surrogate SpikesPage: 1 of 1
Reviewer: JVG
2nd Reviewer: OL**METHOD:** GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Please see qualification below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were surrogates spiked into all samples, standards and blanks?Y N N/A Did all surrogate percent recoveries (%R) meet the QC limits?

#	Sample ID	Column	Surrogate Compound	%R (Limits)	Qualifications
	24	RTX-CLP 2	A	0 (30-124)	No peak (dil)
	(16x)		B	↓ (32-136)	↓
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	
				()	

Letter Designation	Surrogate Compound	Recovery QC Limits (Soil)	Recovery QC Limits (Water)	Comments
A	Tetrachloro-m-xylene			
B	Decachlorobiphenyl			

LDC #: 31445 D3a

VALIDATION FINDINGS WORKSHEET

Matrix Spike/Matrix Spike Duplicates

Page: 1 of 1

Reviewer: ML

2nd Reviewer:

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG?

Y N N/A Was a MS/MSD analyzed every 20 samples for each matrix or whenever a sample extraction was performed?

Y(N) N/A	Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?
----------	--

[illegible]

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Method: Pesticides (EPA SW 846 Method 8081B)

Analyte	Concentration (µg/Kg)		RPD (≤100%)	Diff.	Diff Limits (2xRL)	Qualifiers (Parents Only)
	3	10				
B	1.8U	0.53		1.27	(≤3.6)	
C	1.8U	0.58		1.22	(≤3.6)	
D	0.46	1.8U		1.34	(≤3.6)	

Analyte	Concentration (µg/Kg)		RPD (≤100%)	Diff.	Diff Limits (2xRL)	Qualifiers (Parents Only)
	11	13				
J	1.8U	0.49		1.31	(≤3.6)	

LDC #: 31445 D39

VALIDATION FINDINGS WORKSHEET

Compound Quantitation and Reported CRQLs

Page: 1 of 1

Reviewer: JVG

2nd Reviewer: a

METHOD: GC ☒ HPLC

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Level IV/D Only

BY N N/A

Were CRQLs adjusted for sample dilutions, dry weight factors, etc.?

Y N N/A

Did the reported results for detected target compounds agree within 10.0% of the recalculated results?

Y N N/A

Did the percent difference of detected compounds between two columns./detectors <40%?

If no, please see findings bellow.

[illegible]

Comments: See sample calculation verification worksheet for recalculations & Interference autoclaved

LDC#: 31445D3a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 6

Reviewer: JVG

2nd Reviewer: 02Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081^B_A)

Calibration Date	Instrument/Column	Compound	Standard	(Y) Response	(X) Concentration
2/6/2014	HP6890-25 RTX-CLP2	g-BHC	1	117593	0.0050
			2	248229	0.0100
			3	1430940	0.0500
			4	2882739	0.1000
			5	4278074	0.1500
2/6/2014	HP6890-25 RTX-CLP2	4,4'-DDT	1	72250	0.0050
			2	155669	0.0100
			3	967128	0.0500
			4	2013799	0.1000
			5	3078302	0.1500

Regression Output		g-BHC		DDT	
		Calculated	Reported WLR	Calculated	Reported WLR
Constant	b =	0.000832	-30608.233	0.002459	-37996.410
Std Err of Y Est					
R Squared	r ² =	0.999881	1.000000	0.999828	1.000000
Degrees of Freedom					
X Coefficient(s)	m1 =	28813810.8639	28922591.000	20766309.9476	20562317.600
Std Err of Coef.					
Correlation Coefficient		0.999941		0.999914	
COD r2		0.999881		0.999828	

LDC#: 31445D3a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 2 of 6
 Reviewer: JVG
 2nd Reviewer:

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081B)

Calibration Date	Instrument/Column	Compound	Standard	(Y) Response	(X) Concentration
2/6/2014	HP6890-25 RTX-CLP1	g-BHC	1	245470	0.0050
			2	522454	0.0100
			3	2965070	0.0500
			4	5907824	0.1000
			5	8630571	0.1500
2/6/2014	HP6890-25 RTX-CLP1	4,4'-DDT	1	148289	0.0050
			2	326138	0.0100
			3	1974708	0.0500
			4	4058115	0.1000
			5	6155582	0.1500

Regression Output		g-BHC		DDT	
		Calculated	Reported WLR	Calculated	Reported WLR
Constant	b =	0.000220	-49614.415	0.001978	-68453.561
Std Err of Y Est					
R Squared	r^2 =	0.999507	1.000000	0.999956	1.000000
Degrees of Freedom					
X Coefficient(s)	m1 =	58179053.2068	58791939.900	41500563.4162	41286031.100
Std Err of Coef.					
Correlation Coefficient		0.999754		0.999978	
COD r2		0.999507		0.999956	

LDC#: 31445D3a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 3 of 6
 Reviewer: JVG
 2nd Reviewer: OR

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081A)

Calibration Date	Instrument/Column	Compound	Standard	(Y) Response	(X) Concentration
1/27/2014	HP6890-6 RTX-CLP1	g-BHC	1	402955	0.0050
			2	834751	0.0100
			3	4826300	0.0500
			4	9812775	0.1000
			5	14309366	0.1500
1/27/2014	HP6890-6 RTX-CLP1	4,4'-DDT	1	289212	0.0050
			2	577382	0.0100
			3	3299716	0.0500
			4	6627939	0.1000
			5	9728110	0.1500

Regression Output		g-BHC		DDT	
		Calculated	Reported WLR	Calculated	Reported WLR
Constant	b =	0.000599	-97277.158	0.000386	-50692.861
Std Err of Y Est					
R Squared	r^2 =	0.999527	1.000000	0.999678	1.000000
Degrees of Freedom					
X Coefficient(s)	m1 =	96703692.6702	97373120.000	65530593.1283	65954994.600
Std Err of Coef.					
Correlation Coefficient		0.999763		0.999839	
COD r2		0.999527		0.999678	

LDC#: 31445D3a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 4 of 6

Reviewer: JVG

2nd Reviewer: Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081A)^B

Calibration Date	Instrument/Column	Compound	Standard	(Y) Response	(X) Concentration
1/27/2014	HP6890-6 RTX-CLP2	g-BHC	1	397852	0.0050
			2	812531	0.0100
			3	4477372	0.0500
			4	9035799	0.1000
			5	13019599	0.1500
1/27/2014	HP6890-6 RTX-CLP2	4,4'-DDT	1	229092	0.0050
			2	493120	0.0100
			3	2995114	0.0500
			4	6213805	0.1000
			5	9379617	0.1500

Regression Output		g-BHC		DDT	
		Calculated	Reported WLR	Calculated	Reported WLR
Constant	b =	-0.000091	-49907.392	0.002013	-104229.050
Std Err of Y Est					
R Squared	r^2 =	0.999152	1.000000	0.999938	1.000000
Degrees of Freedom					
X Coefficient(s)	m1 =	87872007.9188	88865682.400	63323186.2565	62958391.200
Std Err of Coef.					
Correlation Coefficient		0.999576		0.999969	
COD r2		0.999152		0.999938	

LDC#: 31445D3a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 5 of 6
 Reviewer: JVG
 2nd Reviewer: n

Method: GC Chlorinated Pesticides (EPA SW 846 Method 8081A)

Calibration Date	Instrument/Column	Compound	Standard	(Y) Response	(X) Concentration
1/31/2014	HP6890-5 RTX-CLP1	g-BHC	1	384391	0.0050
			2	769175	0.0100
			3	4238163	0.0500
			4	8648475	0.1000
			5	13126505	0.1500
1/31/2014	HP6890-5 RTX-CLP1	4,4'-DDT	1	489709	0.0050
			2	918323	0.0100
			3	4936564	0.0500
			4	9844810	0.1000
			5	14716256	0.1500

Regression Output		g-BHC		DDT	
		Calculated	Reported WLR	Calculated	Reported WLR
Constant	b =	0.001225	-72536.901	0.000176	-21392.057
Std Err of Y Est					
R Squared	r^2 =	0.999927	1.000000	0.999967	1.000000
Degrees of Freedom					
X Coefficient(s)	m1 =	87947803.5340	87394900.000	98384991.4267	98452769.200
Std Err of Coef.					
Correlation Coefficient		0.999963		0.999983	
COD r2		0.999927		0.999967	

LDC#: 31445D3a

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 6 of 6Reviewer: JVG2nd Reviewer: QMethod: GC Chlorinated Pesticides (EPA SW 846 Method 8081^B_A)

Calibration Date	Instrument/Column	Compound	Standard	(Y) Response	(X) Concentration
1/31/2014	HP6890-5 RTX-CLP2	g-BHC	1	437610	0.0050
			2	877732	0.0100
			3	4830964	0.0500
			4	9755678	0.1000
			5	14562536	0.1500
1/31/2014	HP6890-5 RTX-CLP2	4,4'-DDT	1	268513	0.0050
			2	541760	0.0100
			3	3090030	0.0500
			4	6386329	0.1000
			5	9736990	0.1500

Regression Output		g-BHC		DDT	
		Calculated	Reported WLR	Calculated	Reported WLR
Constant	b =	0.000653	-66105.213	0.001754	-75318.281
Std Err of Y Est					
R Squared	r ² =	0.999967	1.000000	0.999837	1.000000
Degrees of Freedom					
X Coefficient(s)	m1 =	97722317.4084	97762051.000	65376628.2068	64762582.200
Std Err of Coef.					
Correlation Coefficient		0.999984		0.999918	
COD r2		0.999967		0.999837	

LDC#: 31445D3a

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Calculation Verification

Page: 1 of 1
 Reviewer: JVG
 2nd Reviewer: *[Signature]*

METHOD: GC HPLC

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration percent difference (%D) values were recalculated for the compounds identified below using the following calculation:

$$\text{Percent difference (\%D)} = 100 * (N - C)/N$$

Where:

N = Initial Calibration Factor or Nominal Amount

C = Calibration Factor from Continuing Calibration Standard or Calculated Amount

#	Standard ID	Calibration Date	Compound	CCV Conc	Reported Conc	Recalculated Conc	Reported % D	Recalculated %D
1	25_69119	2/28/2014	g-BHC CLP1	0.0500	0.0558	0.0558	11.7	11.7
			4,4'-DDT CLP1	0.0500	0.0540	0.0540	8.0	8.0
			g-BHC CLP2	0.0500	0.0500	0.0500	0.0	0.0
			4,4'-DDT CLP2	0.0500	0.0457	0.0457	8.5	8.5
2	5_6053	2/28/2014	g-BHC CLP1	0.0500	0.0700	0.0700	40.0	40.0
			4,4'-DDT CLP1	0.0500	0.0422	0.0422	15.7	15.7
			g-BHC CLP2	0.0500	0.0496	0.0496	0.8	0.8
			4,4'-DDT CLP2	0.0500	0.0487	0.0487	2.6	2.6
3	6_12190	2/28/2014	g-BHC CLP1	0.0500	0.0520	0.0520	4.0	4.0
			4,4'-DDT CLP1	0.0500	0.0482	0.0482	3.7	3.7
			g-BHC CLP2	0.0500	0.0464	0.0464	7.3	7.3
			4,4'-DDT CLP2	0.0500	0.0422	0.0422	15.6	15.6
4	6_13012	2/28/2014	g-BHC CLP1	0.0500	0.0510	0.0510	2.0	2.0
			4,4'-DDT CLP1	0.0500	0.0478	0.0478	4.5	4.5
			g-BHC CLP2	0.0500	0.0447	0.0447	10.6	10.6
			4,4'-DDT CLP2	0.0500	0.0444	0.0444	11.3	11.3

LDC #: 31445 D3a**VALIDATION FINDINGS WORKSHEET**
Surrogate Results VerificationPage: 1 of 1Reviewer: JVG2nd reviewer: ra**METHOD:** GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: $SF/SS * 100$ Where: SF = Surrogate Found
SS = Surrogate SpikedSample ID: 1

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene	<u>R1X-GP2</u>	<u>0.02</u>	<u>0.0173</u>	<u>86</u>	<u>86</u>	<u>9</u>
Decachlorobiphenyl	<u>↓</u>	<u>↓</u>	<u>0.0207</u>	<u>104</u>	<u>104</u>	<u>↓</u>
Decachlorobiphenyl						

Sample ID: _____

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Sample ID: _____

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Sample ID: _____

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Notes: _____

LDC #: 31445 D3A

VALIDATION FINDINGS WORKSHEET **Matrix Spike/Matrix Spike Duplicates Results Verification**

Page: 1 of 1
 Reviewer: JVG
 2nd Reviewer: 9

METHOD: GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

The percent recoveries (%R) and Relative Percent difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = $100 \times (\text{SSC} - \text{SC}) / \text{SA}$

Where: SSC = Spiked sample concentration
 SA = Spike added

SC = Concentration

RPD = $| \text{MS} - \text{MSD} | \times 2 / (\text{MS} + \text{MSD})$

MS = Matrix spike percent recovery

MSD = Matrix spike duplicate percent recovery

MS/MSD samples: 33/34

Compound	Spike Added (ug/kg)		Sample Concentration (ug/kg)	Spiked Sample Concentration (ug/kg)		Matrix Spike		Matrix Spike Duplicate		MS/MSD	
	MS	MSD		MS	MSD	Percent Recovery		Percent Recovery		RPD	
						Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
gamma-BHC	17.6	17.5	0	4.0	12.5	79	79	71	71	12	11
4,4'-DDT	↓	↓	0.77	16.3	13.8	88	88	75	75	17	17
Aroclor 1260											

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31445 D3a

VALIDATION FINDINGS WORKSHEET

Page: 1 of 1Laboratory Control Sample/Laboratory Control Sample Duplicate Results VerificationReviewer: JVG2nd Reviewer: Q**METHOD:** GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

The percent recoveries (%R) and Relative Percent difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = $100 * (SSC - SC) / SA$

Where: SSC = Spiked sample concentration
SA = Spike added

SC = Concentration

RPD = $|LCS - LCSD| * 2 / (LCS + LCSD)$

LCS = Laboratory control sample percent recovery

LCSD = Laboratory control sample duplicate percent recovery

LCS/LCSD samples: LCS 480 - 167818/2A

Compound	Spike Added (ug/kg)		Spiked Sample Concentration (ug/kg)		LCS		LCSD		LCS/LCSD	
					Percent Recovery		Percent Recovery		RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
gamma-BHC	16.6	NA	15.7	NA	95	95				
4,4'-DDT	↓	↓	17.2	↓	104	104				
Aroclor 1260										

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31495 D32**VALIDATION FINDINGS WORKSHEET**
Sample Calculation VerificationPage: 1 of 1Reviewer: JVG2nd reviewer: *[signature]***METHOD:** GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

Y	N	N/A
Y	N	N/A

Were all reported results recalculated and verified for all level IV samples?

Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Example:

CLP2 - #PG890-25

Sample I.D. 1 DDT:

$$x = \frac{y-b}{m}$$
$$\text{Conc.} = \frac{(295092) - (-37996.410)}{(20562317.6)}$$

$$x = 0.0162$$

$$\text{final conc.} = \frac{(0.0162)(10\text{ml})(1000)}{(30.23\text{g})(0.877)}$$
$$= 6.1 \text{ ug/kg}$$

#	Sample ID	Compound	Reported Concentration (ug/kg)	Calculated Concentration ()	Qualification
			6.1		

Note: _____

PACKAGE COMPLETENESS AND DELIVERABLES

CASE NUMBER: 31445 D SDG# 480-55212-1
LAB: Test America Buffalo SITE: Glen Isle

1.0 Data Completeness and Deliverables YES NO N/A

1.1 Has all the data been submitted in CLP deliverable format? ☒ 1 ☐ ☐

1.2 Have any missing deliverables been received and added to the data package? ☒ 1 ☐ ☐

ACTION: Call lab for explanation/resubmittal of any missing deliverables. If lab cannot provide them, note the effect on review of the data in the reviewer narrative.

2.0 Cover Letter; SDG Narrative

2.1 Is a laboratory narrative or cover letter present? ☒ 1 ☐ ☐

2.2 Are the case number and/or SDG number contained in the narrative or cover letter? ☒ 1 ☐ ☐

3.0 Data Validation Checklist

3.1 Does this data package contain:

Water data? ☒ 1 ☐ ☐

Waste data? ☐ 1 ☐ ☒

Soil/solid data? ☒ 1 ☐ ☐

ORGANOCHLORINE PESTICIDE

YES NO N/A

1.0 Traffic Reports and Laboratory Narrative

- 1.1 Are traffic report and chain-of-custody forms present for all samples?

☒ ☐ ☐

ACTION: If no, contact lab for replacement of missing or illegible copies.

- 1.2 Do the traffic reports, chain-of-custody forms or SDG narrative indicate any problems with sample receipt, condition of the samples, analytical problems or special circumstances affecting the quality of the data?

☐ ☒ ☐

ACTION: If any sample analyzed as a soil, other than than TCLP, contains 50%-90% water, all data should be qualified as estimated, "J." If a soil sample, other than TCLP, contains more than 90% water, all non detects are qualified as unusable, "R", and positive results flagged "J".

ACTION: If samples were not iced or if the ice was melted upon arrival at the laboratory and the temperature of the cooler was elevated (> 10° C), flag all positive results "J" and all non-detects "UJ".

2.0 Holding Times

- 2.1 Have any organochlorine pesticide technical holding times, determined from date of collection to date of extraction, been exceeded?

☐ ☒ ☐

Water and waste samples for organochlorine pesticide analysis must be extracted within 7 days of the date of collection. Extracts must be analyzed within 40 days of the date of extraction. Soils and solid samples must be extracted within 14 days of collection and analyzed within 40 days of extraction.

ACTION: Qualify sample results according to Table 1.

Table 1. Holding Time Criteria

Matrix	Preserved	Criteria	Action	
			Detected compounds	Non-detected compounds
Aqueous	No	≤ 7 days (extraction) ≤ 40 days (analysis)	J*	UJ*
	No	> 7 days (extraction) > 40 days (analysis)	J*	UJ
	Yes	≤ 7 days (extraction) ≤ 40 days (analysis)	No qualification	
	Yes	> 7 days (extraction) > 40 days (analysis)	J	UJ
	Yes/No	> 28 days (gross exceedance)	J	R
Non-aqueous	No	≤ 14 days (extraction) ≤ 40 days (analysis)	J*	UJ*
	No	> 14 days (extraction) > 40 days (analysis)	J	UJ
	Yes	≤ 14 days (extraction) ≤ 40 days (analysis)	No qualification	
	Yes	> 14 days (extraction) > 40 days (analysis)	J	UJ
	Yes/No	> 28 days (gross exceedance)	J	R

* only if cooler temperature exceeds 10°C; no action required if cooler temperature < 10°C.

YES NO N/A

3.0 Surrogate Recovery (Form II/Equivalent)

3.1 Were the recoveries of tetrachloro-m-xylene (TCMX) and decachlorobiphenyl (DCB) presented on CLP Surrogate Recovery Summary forms (Form II), or equivalent, for each of the following matrices?

a. Water/Waste ☒ ☐ ☐

b. Soil/Solid ☒ ☐ ☐

3.2 Are all the pesticide samples listed on the appropriate surrogate recovery form for each of the following matrices?

a. Water ☒ ☐ ☐

b. Waste ☐ ☐ ☒

c. Soil/Solid ☒ ☐ ☐

ACTION: Call lab for explanation/resubmittals.
If missing deliverables are unavailable,
document the effect in the data assessment.

3.3 Are all recovery limits for the surrogates TCMX and DCB between 30-150% for all samples, including MS and MSDs, LCSs and all blanks?

☐ ☒ ☐

Note: ☒ Reviewer shall use lab in-house recover limits if available. In-house criteria should be examined for reasonableness.

ACTION: Circle all outliers in red. Follow surrogate action Table 2.

3.5 Were surrogate retention times (RT) within the windows established during the initial 5-point analysis?

☒ ☐ ☐

ACTION: Follow surrogate action, Table 2 below.

YES NO N/A

Table 2. Surrogate Recovery Criteria

Criteria	Action	
	Detected Target Compounds	Non-detected Target Compounds
%R > 200%	J	Use professional judgement
150% < %R ≤ 200%	J	No qualification
30% ≤ %R ≤ 150%	No qualification	
10% ≤ %R < 30%	J	UJ
%R < 10% (sample dilution not a factor)	J	R
%R < 10% (sample dilution is a factor)	Use professional judgement	
RT out of RT window	Use professional judgement	
RT within RT window	No qualification	

3.6 Are there any transcription/calculation errors between raw data and Form II?

☒ ☐ ☐

ACTION: If large errors exist, call lab for explanation/resubmittal. Make any necessary corrections and document the effect in data assessments.

4.0 Laboratory Control Sample (LCS)

4.1 Is the LCS prepared, extracted, analyzed, and reported once for every 20 field samples.

☒ ☐ ☐

ACTION: If any Laboratory Control Sample data are missing, call the lab for explanation /resubmittals. Make note in the data assessment.

YES NO N/A

- 4.2 Were Laboratory Control Samples analyzed
at the required concentration for all analytes
of interest as specified in Table 3 below.

☒ ☐ ☐

Note: Use lab in-house criteria, if available.

Table 3. LCS Spiking Criteria

LCS Spike Compound	Spiking solution ug/l	Amount spiked to 100ml aqueous sample or 30g soil sample ml	Recovery Limits (%)
gamma-BHC	0.05	1	50-120
Heptachor epoxide	0.05	1	50-120
Dieldrin	0.01	1	30-130
4,4'-DDE	0.01	1	50-150
Endrin	0.01	1	50-120
Endosulfan sulfate	0.01	1	50-120
gamma-Chloradane	0.05	1	30-130
Tetrachloro-m- xylene (surrogate)	0.20	3	30-150
Decachlorobiphenyl (surrogate)	0.40	3	30-150

Note: The LCS might be spiked with the same analytes at
the same concentration as the matrix spike.

ACTION: If Laboratory Control Samples were not analyzed at
the required concentration or the required
frequency, make note in the data assessment and
use professional judgement to determined the
affect on the data.

- 4.3 Do average recovery for each analyte meet the corresponding
QC acceptance criteria, ~~listed in table above?~~ ☒ ☐ ☐
lab limits?

YES NO N/A

ACTION: For LCS % recovery not meeting the required recovery, follow the required action in Table 4 below.

Table 4. LCS Recovery Criteria

Criteria	Action	
	Detected Associated Compounds	Non-Detected Compounds
%R > Upper Acceptance Limit	J	No qualification
%R < Upper Acceptance Limit	J	R
Lower Acceptance Limit \leq %R \leq Upper Acceptance Limit	No qualifications	

5.0 Matrix Spikes (Form III/Equivalent)

5.1 Are all data for matrix spike and matrix duplicate or matrix spike duplicate (MS/MD or MS/MSD) present and complete for each matrix?

11 /

NOTE: For soil and waste samples showing detectable amounts of organics, the lab may substitute replicate samples in place of the matrix spike (see page 8000B-40, section 8.5.3).

5.2 Have MS/MD or MS/MSD results been summarized on Form III/Equivalent?

11 /

ACTION: If any data are missing take action as specified in section 3.2 above.

5.3 Were matrix spikes analyzed at the required frequency for each of the following matrices? (One MS/MD, MS/MSD or laboratory replicate must be performed for every 20 samples of similar matrix or concentration level. Laboratories analyzing one to ten samples per month are required to analyze at least one MS per month [page 8000B-39, section 8.5.])

	YES	NO	N/A
a. Water	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Waste	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Soil/Solid	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ACTION: If any MS/MD, MS/MSD or replicate data are missing, take the action specified in 3.2 above.

5.4 We Were Matrix Spike Samples analyzed at the required concentration for all analytes of interest as specified in Table 5 below.

☒ ☐ ☐

Note: Spiking analytes may differ from those in Table 5. Check QA project plan or task order.

Table 5. Matrix Spiking Criteria

Matrix Spike Compound	Spiking solution ug/l	Amount spiked to 100ml aqueous sample or 30g soil sample ml
gamma-BHC	0.05	1
Heptachor	0.05	1
Aldrin	0.05	1
Dieldrin	1.0	1
Endrin	1.0	1
4,4'-DDT	1.0	1

Note: For aqueous organic extractable, the spike concentration should be:

- 1) For regulatory compliance monitoring - the regulatory concentration limit or 1 to 5 times the expected background concentration, whichever is higher;
- 2) For all other aqueous samples - the larger of either 1 to 5 x times the expected background

YES NO N/A

concentration, or the same as the QC check sample concentration (see section 4 above);

- 3) For soil/solid and waste samples - the recommended concentration is 20 times the estimated quantitation limit (EQL).

No action is taken based on MS or replicate data alone. However, using informed professional judgement, the data reviewer may use the matrix spike or laboratory replicate results in conjunction with other QC criteria and determine the need for some qualification of the data. In some instances it may be determined that only the replicate or spiked samples are affected. Alternatively, the data may suggest that the laboratory is having a systematic problem with one or more analytes, thereby affecting all associated samples.

5.5 Do average recovery for each analyte meet the corresponding QC acceptance criteria listed in ~~Table 6~~ below. *lab limits.*

11 /

Note: ✓ Use lab in-house criteria, if available.

Table 6. Matrix Spike Recovery Criteria

Compound	% Recovery Water	RPD Water	% Recovery Soil	RPD Soil
gamma-BHC	56-123	0-15	46-127	0-50
Heptachor	40-13	0-20	35-130	0-31
Aldrin	40-120	0-22	34-132	0-43
Dieldrin	52-126	0-18	31-134	0-38
Endrin	56-121	0-21	42-139	0-45
4,4'-DDT	38-127	0-27	23-134	0-50

NOTE: The actual number of MS analytes depends on the number analytes being measured (e.g., total number of MS plus MSD compounds). If only chlordane or toxaphene are the analytes of

YES NO N/A

interest, the spiked sample should contain the most representative multi-component analyte.

ACTION: Follow the matrix spike actions (Table 7)
for pesticide analyses.

Table 7. Matrix Spike Qualifying Criteria

Criteria	Action	
	Detected Associated Compounds	Non-Detected Compounds
%R or RPD > Upper Acceptance Limit	J	No qualification
20% R ≤ %R < Lower Acceptance Limit	J	UJ
%R < 20%	J	Use professional judgement
Lower Acceptance Limit ≤ %R; RPD ≤ Upper Acceptance Limit	No qualifications	

Note: When the results of the matrix spike analyses indicates a potential problem due to the sample matrix itself, the LCS results are used to verify the laboratory can perform analyses in a clean matrix.

6.0 Blanks (Form IV/Equivalent)

6.1 Was reagent blank data reported on Method
Blank Summary form(s) (Form IV)?

6.2 Frequency of Analysis: Has a reagent blank been analyzed
for every 20 (or less) samples of similar matrix or
concentration or each extraction batch? ☒ — —

Note: Method blank should be analyzed, either after the
calibration standard or at any other time during the
analytical shift.

YES NO N/A

ACTION: If any blank data are missing, take action as specified above (section 3.2). If blank data is not available, reject (R) all associated positive data. However, using professional judgement, the data reviewer may substitute field blank data for missing method blank data.

6.3 Chromatography: review the blank raw data - chromatograms, quant reports or data system printouts.

Is the chromatographic performance (baseline stability) for each instrument acceptable for pesticides?

☒

ACTION: Use professional judgement to determine the effect on the data.

7.0 Contamination

NOTE: "Water blanks", "distilled water blanks" and "drilling water blanks" are validated like any other sample and are not used to qualify the data. Do not confuse them with the other QC blanks discussed below.

7.1 Do any method/instrument/reagent/cleanup blanks have positive results for organochlorine pesticides? When applied as described below, the contaminant concentration in these blanks are multiplied by the sample Dilution Factor and corrected for % moisture when necessary.

 ☒

7.2 Do any field/rinse blanks have positive organochlorine pesticide results?

 ☒

ACTION: Prepare a list of the samples associated with each of the contaminated blanks. (Attach a separate sheet.)

NOTE: All field blank results associated to a particular group of samples (may exceed one per case or one per day) may be used to qualify data. Blanks may not be qualified because of contamination in

YES NO N/A

another blank. Field blanks must be qualified for surrogate, or calibration QC problems.

ACTION: Follow the directions in Table 8 below to qualify sample results due to contamination. Use the largest value from all the associated blanks.

Table 8. Blank Contamination Criteria

Blank Type	Blank Result	Sample Result	Action for Samples
Method, Clean up, Instrument, Field	Detects	Not detected	No qualification
	< CRQL	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification
	> CRQL	< CRQL	Report CRQL value with a U
		≥ CRQL and < blank contamination	Report the concentration for the sample with a U
		≥ CRQL and ≥ blank contamination	No qualification
	= CRQL	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification
	Gross contamination	Detects	Qualify results as unusable R

Note: Analytes qualified "U" for blank contamination are treated as "hits" when qualifying the calibration criteria.

Note: When applied as described in Table 8 above, the contaminant concentration in the blank is multiplied by the sample dilution factor.

NOTE: If gross blank contamination exists(e.g., saturated peaks, "hump-o-grams", "junk peaks"), all affected positive compounds in the associated samples should be qualified as unusable "R", due to interference.

YES NO N/A

Non-detected pesticide target compounds do not require qualification unless the contamination is so high that it interferes with the analyses of non-detected compounds.

7.3 Are there field/rinse/equipment blanks associated with every sample?

☒ — —

ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

8.0 Gas Chromatography with Electron Capture Detector (GC/ECD) Instrument Performance Check (CLP Form VI and Form VII Equivalent)

8.1 Was the proper gas chromatographic column used for the analysis of organochlorine pesticides?

Check raw data, instrument logs, or contact the lab to determine what type of columns were used. (See Method 8081B-8, section 4.2)

☒ — —

8.2 If capillary columns were used, were they both wide bore (.53 mm ID) fused silica GC columns, such as DB-608 and DB-1701 or equivalent. Indicate the specific type of column used for:

column 1: _____

column 2: _____

ACTION: Note any changes to the suggested materials in section 8.1 above in the data assessment. Also note the impact (positive or negative) such changes have on the analytical results.

9.0 Calibration and GC Performance

9.1 Are the following Gas Chromatograms and Data Systems Printouts for both columns present for all samples, blanks, MS, replicates?

a. DDT/endrin breakdown check

☒ — —

YES NO N/A

- | | | | | |
|----|-------------------------------------|-------------------------------------|-----|-----|
| b. | toxaphene | <input checked="" type="checkbox"/> | ___ | ___ |
| c. | technical chlordane | <input checked="" type="checkbox"/> | ___ | ___ |
| d. | 5 pt. initial calibration standards | <input checked="" type="checkbox"/> | ___ | ___ |
| e. | calibration verification standards | <input checked="" type="checkbox"/> | ___ | ___ |
| f. | LCS | <input checked="" type="checkbox"/> | ___ | ___ |
| g. | Method blanks | <input checked="" type="checkbox"/> | ___ | ___ |

ACTION: If no, take action specified in 3.2 above.

- 9.2 Has a DDT/endrin breakdown check standard (at the mid-concentration level) been analyzed at the beginning of each analytical sequence on both columns (page 8081B-24, section 8.2.3)? ☒ ___

ACTION: If no, take action as specified in 3.2 above.

- 9.3 Has the individual % breakdown exceeded 20.0% on either column for:

- | | |
|---------------|---|
| - 4,4' - DDT? | ___ <input checked="" type="checkbox"/> ___ |
| - endrin? | ___ <input checked="" type="checkbox"/> ___ |

ACTION: If any % breakdown has failed the QC criteria in the breakdown check standard, qualify all sample analyses in the entire analytical sequence as described below.

- a. If 4,4'-DDT breakdown is greater than 20.0%:
- i. Qualify all positive results for DDT with 'J'. If DDT was not detected, but DDD and DDE are positive, then qualify the quantitation limit for DDT as unusable ("R").
 - ii. Qualify positive results for DDD and DDE as presumptively present at an approximated quantity ("NJ").

YES NO N/A

b. If endrin breakdown is greater than 20.0%:

i. Qualify all positive results for endrin with "J". If endrin was not detected, but endrin aldehyde and endrin ketone are positive, then qualify the quantitation limit for endrin as unusable ("R").

ii. Qualify positive results for endrin ketone and endrin aldehyde as presumptively present at an approximated quantity ("NJ").

9.4 Are data summary forms (containing calibration factors or response factors) for the initial 5 pt. calibration and daily calibration verification standards present and complete for each column and each analytical sequence? ☒ ☐ ☐

NOTE: If internal standard calibration procedure is used (page 8000B-16, section 7.4.2.2), then response factors must be used for %RSD calculations and compound quantitation. If, external standard calibration procedures are used (page 8000B-16, section 7.4.2.1), then calibration factors must be used.

ACTION: If any data are missing or it cannot be determined how the laboratory calculated calibration factors or response factors, contact the lab for explanation/resubmittals. Make necessary corrections and note any problems in the data assessment.

9.5 Are there any transcription/calculation errors between raw data and data summary forms. ☐ ☒ ☐

ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and document the effect in data assessments.

9.6 Are standard retention time (RT) windows for each analyte of interest presented on modified CLP summary forms? ☒ ☐ ☐

YES NO N/A

ACTION: If any data are missing, or it cannot be determined how RT windows were calculated, call the lab for explanation/resubmittals. Note any problems in the data assessment.

NOTE: Retention time windows for all pesticides are established using retention times from three calibration standards analyzed during the entire analytical sequence (page 8081B-15, section 7.4.6).

A 72 hr. sequence is not required with this method, however, the method states that best results are obtained using retention times which span the entire sequence; i.e., using the mid level from the 5 pt. calibration, one of the mid-concentration standards analyzed during mid-sequence and one analyzed at the end.

9.7 Were RT windows on the confirmation column established using three standards as described above? ☒ — —

NOTE: RT windows for the confirmation column should be established using a 3 pt. calibration, preferably spanning the entire analytical sequence as described in 9.6 above. If RT windows on one column are tighter than the other, this may result in false negatives when attempting to identify compounds in the samples.

ACTION: Note potential problems, if any, in the data assessment.

9.8 Do all standard retention times in each level of the initial 5 pt. calibrations for pesticides fall within the windows established during the initial calibration sequence? ☒ — —

ACTION: i. If no, all samples in the entire analytical sequence are potentially affected. Check to see if three standards, spanning the entire sequence were used to obtain RT windows. If the lab used three standards from the 5 pt., RT windows

YES NO N/A

may be too tight. If so, RT windows should be recalculated as per page 8081B-15, section 7.4.6.2

- ii. Alternatively, check to see if the chromatograms contain peaks within an expanded window surrounding the expected retention times.

If no peaks are found and the surrogates are visible, non-detects are valid. If peaks are present but cannot be discerned through pattern recognition or by using revised RT windows, qualify all positive results and non-detects as unusable, "R".

ACTION: For toxaphene and chlordane, the RT may be outside the RT window, but these analytes may still be identified from their individual patterns.

9.9 Has the linearity criteria for the initial calibration (all r^2) standards been satisfied for both columns? (% RSD must be < allowable limits* for all analytes). 1/1 — —

ACTION: If no, follow the actions in Table 9 below.

Table 9. Initial Calibration Linearity Criteria

Criteria	Criteria	
	Detected Associated Compounds	Non-Detected Associated Compounds
% RSD exceeds allowable limits*	J	No qualification
% RSD within allowable limits*	NO qualifications	

* %RSD \leq 20% for single component compounds except alpha-BHC and delta-BHC.

%RSD \leq 25% for alpha-BHC and delta-BHC

%RSD \leq 30% for Toxaphene peaks

%RSD \leq 30% for surrogates (tetrachloro-m-xylene and decachlorobiphenyl).

9.10 Has a calibration verification standard containing all analytes of interest been analyzed on each

YES NO N/A

working day, prior to sample analyses (pages
8081B-15, sections 7.5.2)?

☒ ☐ ☐

- 9.11 Has a calibration verification standard also been analyzed after every 10 samples and at the end of each analytical sequence (page 8081B-15, section 7.5.2)?

☒ ☐ ☐

ACTION: If no, take action as specified in section 3.2 above.

- 9.12 Has no more than 12 hours elapsed from the injection of the opening CCV and the end of the analytical sequence (closing CCV). Has no more than 72 hours elapsed from the injection of the sample with a Toxaphene detection and the Toxaphene CCV?

☒ ☐ ☐

ACTION: See Table 10 below.

- 9.13 Has the percent difference (%D) exceeded $\pm 20\%$ for any organochlorine pesticide analyte in any calibration verification standard?

☐ ☐ ☐

- 9.14 Has a new 5 pt. calibration curve been generated for those analytes which failed in the calibration verification standard (page 8081B-16, section 7.5.2.2), and all samples which followed the out-of-control standard (page 8081B-16, section 7.5.2.3) reinjected?

☐ ☐ ☒

ACTION: If the %D for any analyte exceeded the $\pm 20\%$ criterion and the instrument was not recalibrated for those analytes, see table below.

- 9.15 Have daily retention time windows been properly calculated for each analyte of interest (page 8081B-16, section 7.5.3)), using RTs from the associated mid concentration standard and standard deviation from the initial calibration)?

☒ ☐ ☐

YES NO N/A

ACTION: If no, take action specified in section 3.2 above or recalculate RT windows using the procedure outlined in method 8081B-16, section 7.5.3.

9.16 Do all standard retention times for each mid concentration standard fall within the windows established during the initial calibration sequence?

☒ — —

9.17 Do all standard retention times for each mid-concentration standard (analyzed after every 10 samples) fall within the daily RT windows (page 8081B-16, section 7.5.3)?

☒ — —

ACTION: If the answer to either 9.15 or 9.16 above is no, check the chromatograms of all samples which followed the last in-control standard. All samples analyzed after the last in-control standard must be re-injected, if initial analysis indicated the presence of the specific analyte that exceeded the retention time criteria (page 8081B-18, section 7.5.7.). If samples were not re-analyzed, document under Contract Non-compliance in the Data Assessment.

Reviewer has two options to determine how to qualify questionable sample data. First option is to determine if possible peaks are present within daily retention time window. If no possible peaks are found, non-detects are valid. If possible peaks are found (or interference), qualify positive hits as presumptively present "NJ" and non-detects are rejected "R". Second option is to use the ratio of the retention time of the analyte over the retention time of either surrogate. The passing criteria is ± 0.06 RRT units of the RRT of the standard component. Reject "R" all questionable analytes exceeding criteria, and "NJ" all other positive hits.

For any multi-response analytes, retention time windows should be used but analyst and reviewer should rely primarily on pattern recognition or use option 2 specified in paragraph above.

YES NO N/A

See Table 10 below.

Table 10. CCV Criteria

Criteria	Action	
	Detected Associated Compounds	Non-Detected Associated Compounds
RT out of RT window	Use professional judgement	
%D not within +/- 20%	J	UJ
Time elapsed greater than section 9.12 criteria.	R	
%D, time elapsed, RT are all within acceptable limits.	No qualifications	

9.18 Are there any transcription/calculation errors between raw data and data summary forms? 11

ACTION: If large errors exists, call lab for explanation/resubmittal, make any necessary corrections and document the effect in data assessments under "Conclusions".

10.0 Analytical Sequence Check (Form VIII-PEST/Equivalent)

10.1 Have all samples been listed on CLP Form VIII or equivalent, and are separate forms present for each column? 11

ACTION: If no, take action specified in 3.2 above.

10.2 Was the proper analytical sequence followed for each initial calibration and subsequent analyses? 11

ACTION: If no, use professional judgement to determine the severity of the effect on the data and qualify it

accordingly. Generally, the effect is negligible unless the sequence was grossly altered or the calibration was also out of limits.

11.1 Method 8081B permits a variety of extraction techniques to be used for sample preparation. Which extraction procedure was used?

1. Separatory funnel (Method 3510) _____ ✓
2. Continuous liquid-liquid extraction
(Method 3520) _____
3. Solid phase extraction (Method 3535) _____
4. Other _____

1. Soxhlet (Method 3540) _____
2. Automated Soxhlet (Method 3541) _____
3. Pressurized fluid (Method 3545) _____
4. Microwave extraction (Method 3546) _____
5. Ultrasonic extraction (Method 3550) _____ ✓
6. Supercritical fluid (Method 3562) _____
7. Other _____

11.2 Is Form IX - Pest-1/Equivalent present and complete for each lot of Florisil/Cartridges used? (Florisil Cleanup, Method 3620A, is required for all organochlorine pesticide extracts.) 11 ✓

YES NO N/A

ACTION: If no, take action specified in 3.2 above. If data suggests that florisol cleanup was not performed, make note in the reviewer narrative.

NOTE: Method 3620A uses Florisol, while the SOW/CLP allows for Florisol cartridges. Method 3620A does not list which pesticides and surrogate(s) to use to verify column efficiency. The reviewer must check project plan to verify method used as well as the correct pesticide list. If not stated or available, use the CLP listing or accept what the laboratory used.

11.3 Are all samples listed on modified CLP Pesticide Florisol/Cartridge Check Form?

☒ ☐ ☐

ACTION: If no, take action specified in 3.2 above.

11.4 If GPC Cleanup was performed, is Form IX - Pest-2/ Equivalent present?

☒ ☐ ☐

ACTION: If GPC was not performed and sample results indicate significant sulfur interference, make note in the data assessment.

NOTE: GPC cleanup is not required and is optional. The reviewer should check Project Plan to verify requirement.

11.5 Were the same compounds on Form IX used to check the efficiency of the cleanup procedures?

☒ ☐ ☐

11.6 Are percent recoveries (% R) of the pesticide and surrogate compounds used to check the efficiency of the cleanup procedures within QC limits listed on Form IX:

80-120% for florisol cartridge check?

☒ ☐ ☐

80-110% for GPC calibration?

☒ ☐ ☐

YES NO N/A

Qualify only the analyte(s) which fail the recovery criteria as follows:

ACTION: If % R are < 80%, qualify positive results "J" and quantitation limits "UJ". Non-detects should be qualified "R" if zero %R was obtained for pesticide compounds. Qualify positive results "J" (estimated).

NOTE: If 2,4,5-trichlorophenol was used to measure the efficiency of the Florisil cleanup and the recovery was > 5%, sample data should be evaluated for potential interferences.

12.0 Pesticide Identification

12.1 Has CLP Form X, showing retention time data for positive results on the two GC columns, been completed for every sample in which a pesticide was detected?

☒ — —

ACTION: If no, take action specified in 3.2 above, or compile a list comparing the retention times for all sample hits on the two columns.

12.2 Are there any transcription/calculation errors between raw data and data summary forms (initial calibration summaries, calibration verification summaries, analytical sequence summaries, GPC and Florisil cleanup verification forms)?

— ☒ —

ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and note error in the data assessment.

12.3 Are retention times (RT) of sample compounds within the established RT windows for both analyses?

☒ — —

Note: Confirmation can be supported by other qualitative techniques such as GC/MS (Method 8270), or GC/AED (Method 8085) if sensitivity permits.

YES NO N/A

ACTION: Qualify as unusable (R) all positive results which were not confirmed by second GC column analysis. Also qualify "R", unusable, all positive results not within RT windows unless associated standard compounds are similarly biased. The reviewer should use professional judgement to assign an appropriate quantitation limit.

12.4 Check chromatograms for false negatives, especially if RT windows on each column were established differently (see section 9.7 above). Also check for false negatives among the multiple peak compounds toxaphene and chlordane. Were there any false negatives?

— 11 —

ACTION: Use professional judgement to decide if the compound should be reported. If there is reason to believe that peaks outside retention RT windows should be reported, make corrections to data summary forms (Form I) and note in data assessment.

12.5 Was GC/MS confirmation used as the second column Confirmation? (This is not required).

11 —

12.6 Is the percent difference ^{RPP}~~(%D)~~ calculated for the positive sample results on the two GC columns <25.0%?

11 —

NOTE: The method 8081B requires quantitation from one column. The second column is to confirm the presence of an analyte. Calibration for the Confirmation column is a one point calibration. It is the reviewer's responsibility to verify from the project plan what the lab was required to report. If the lab was required to report concentrations from both columns, continue with validation for % Difference. If required, but not reported, either contact the lab for results or calculate the concentrations from the calibration. If not required, skip this section. Document actions in Data Assessment.

YES NO N/A

ACTION: If the reviewer finds neither column shows interference for the positive hits, the data should be qualified as follows:

<u>% Difference</u>	<u>Qualifier</u>
0-25%	none
26-70%	"J"
71-100%	"NJ"
101-200% (No Interference)	"R"
101-200% (Interference detected)	"NJ"
>50% (Pesticide vale is <CRQL)	"U"
>201%	"R"

Note: The lower of the two values is reported on Form I. If using professional judgement, the reviewer determines that the higher result was more acceptable, the reviewer should replace the value and indicate the reason for the change in the data assessment.

13.0 Compound Quantitation and Reported Detection Limits

13.1 Are there any transcription/calculation errors in Form I results? Check at least two positive values. Were any errors found?

— 1/1 —

NOTE: Single-peak pesticide results can be checked for rough agreement between quantitative results obtained on the two GC columns. The reviewer should use professional judgement to decide whether a much larger concentration obtained on one column versus the other indicates the presence of an interfering compound. If an interference is suspected, the lower of the two values should be reported and qualified according to section 12.6 above. This necessitates a determination of an estimated concentration on the confirmation column. The narrative should indicate that the presence of interferences has led to the quantitation of the second column confirmation results.

YES NO N/A

13.2 Are the EDLs (Estimated Detection Limits) adjusted to reflect sample dilutions and, for soils, % moisture?

☒ — —

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and document effect in data assessments.

ACTION: When a sample is analyzed at more than one dilution, the lowest EDLs are used (unless a QC exceedance dictates the use of the higher EDL data from the diluted sample analysis). Replace concentrations that exceed the calibration range in the original analysis by crossing out the value on the original Form I and substituting it with data from the analysis of diluted sample. Specify which Form I is to be used, then draw a red "X" across the entire page of all Form I's that should not be used, including any in the summary package.

ACTION: EDLs affected by large, off-scale peaks should be qualified as unusable, "R". If the interference is on-scale, the reviewer can provide a modified EDL flagged "UJ" for each affected compound.

14.0 Chromatogram Quality

14.1 Were baselines stable?

☒ — —

14.2 Were any electropositive displacement (negative peaks) or unusual peaks seen?

— ☒ —

ACTION: Note all system performance problems in the data assessment.

15.0 Field Duplicates

15.1 Were any field duplicates submitted for organochlorine pesticide analysis?

☒ — —

ACTION: Compare the reported results for field duplicates and calculate the relative percent difference.

ACTION: Any gross variation between field duplicate results must be addressed in the reviewer narrative. However, if large differences exist, the identity of the field duplicates is questionable. An attempt should be made to determine the proper identification of field duplicates.

Site: Glen Isle
Laboratory: Test America Buffalo, NY
Report No.: 480-55212-1
Reviewer: Christina Rink and Ming Hwang/Laboratory Data Consultants for RXR
Glen Isle Partners, LLC
Date: March 19, 2014

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
LT-G-060-0-2	480-55212-1	Metals
LT-G-060-4-6	480-55212-2	Metals
LT-G-060-8-10	480-55212-3	Metals
LT-G-028-0-2**	480-55212-4	Metals
LT-G-028-4-6	480-55212-5	Metals
LT-G-028-8-10	480-55212-6	Metals
LT-G-029-0-2	480-55212-7	Metals
LT-G-029-2-4	480-55212-8	Metals
LT-G-029-8-10	480-55212-9	Metals
DUP029	480-55212-10	Metals
DUP030	480-55212-11	Metals
LT-G-030-0-2	480-55212-12	Metals
LT-G-030-4-6	480-55212-13	Metals
LT-G-030-6-8	480-55212-14	Metals
LT-G-031-0-2	480-55212-15	Metals
LT-G-031-4-6	480-55212-16	Metals
LT-G-031-6-8	480-55212-17	Metals
LT-G-032-0-2	480-55212-18	Metals
LT-G-032-4-6	480-55212-19	Metals
LT-G-032-6-8**	480-55212-20	Metals
LT-G-033-0-2	480-55212-21	Metals
LT-G-033-2-4	480-55212-22	Metals
LT-G-033-6-8	480-55212-23	Metals
LT-G-034-0-2	480-55212-24	Metals
LT-G-034-2-4	480-55212-25	Metals
LT-G-034-6-8	480-55212-26	Metals
LT-G-035-0-2	480-55212-27	Metals
LT-G-035-2-4	480-55212-28	Metals
LT-G-035-6-8	480-55212-29	Metals
FB029	480-55212-30	Metals
LT-G-028-0-2MS	480-55212-4MS	Metals
LT-G-028-0-2MSD	480-55212-4MSD	Metals
LT-G-032-6-8MS	480-55212-20MS	Metals
LT-G-032-6-8MSD	480-55212-20MSD	Metals

Associated QC Samples(s):

Field/Trip Blanks: FB029

Field Duplicate pair: LT-G-060-8-10 and DUP029

LT-G-030-4-6 and DUP030

The above-listed soil and water samples were collected on February 14, 2014 and were analyzed for metals by SW-846 methods 6010C, 7470A, and 7471B. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for the Evaluation of Metals for the Contract Laboratory Program*, SOP HW-2, Revision 13 (September 2006) and the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, EPA 540-R-10-011* (January 2010), modified as necessary to accommodate the non-CLP methodologies used.

The inorganic data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- Data Completeness
- Holding Times and Sample Preservation
- Instrument Calibration
- Contract Required Quantitation Limit (CRQL) Standard Recoveries
- Blank Analysis Results
- Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
- Matrix Spike (MS) Results
- Laboratory Duplicate Results
- Field Duplicate Results
- Laboratory Control Sample (LCS)/Certified Reference Material (CRM) Results
- Serial Dilution Results
- Moisture Content
- Detection Limits Results
- Sample Quantitation Results

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers.

Samples indicated by a double asterisk on the front cover underwent Category B review. A Category A review was performed on all of the other samples. Calibration and raw data were not evaluated for the samples reviewed by Category A criteria since this review is based on QC data.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All criteria were met for samples on which a Category B review was performed. Calibration data were not evaluated for the samples reviewed by Category A criteria.

CRQL Standard Recoveries

All criteria were met. CRQL recoveries were not evaluated for the samples reviewed by Category A criteria.

Blank Results

Analytes were detected below the reporting limits in the laboratory method. Instrument blanks were not evaluated for Category A. The following table summarizes the contamination and validation actions taken.

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
PB (prep blank)	Calcium Iron Manganese Zinc	5.66 mg/Kg 3.41 mg/Kg 0.123 mg/Kg 0.401 mg/Kg		LT-G-060-0-2 LT-G-060-4-6 LT-G-060-8-10 LT-G-028-0-2** LT-G-028-4-6 LT-G-028-8-10 LT-G-029-0-2 LT-G-029-2-4 LT-G-029-8-10 DUP029 DUP030 LT-G-030-0-2 LT-G-030-4-6 LT-G-030-6-8 LT-G-031-0-2 LT-G-031-4-6 LT-G-031-6-8 LT-G-032-0-2 LT-G-032-4-6
PB (prep blank)	Calcium Chromium Iron Manganese Nickel Zinc	4.50 mg/Kg 0.617 mg/Kg 5.20 mg/Kg 0.152 mg/Kg 0.327 mg/Kg 0.393 mg/Kg		LT-G-032-6-8** LT-G-033-0-2 LT-G-033-2-4 LT-G-033-6-8 LT-G-034-0-2 LT-G-034-2-4 LT-G-034-6-8 LT-G-035-0-2 LT-G-035-2-4 LT-G-035-6-8

Blank ID	Analyte	Level Detected	Action Level	Associated Samples
PB (prep blank)	Calcium Manganese Zinc	0.220 mg/L 0.00122 mg/L 0.00190 mg/L		FB029

Blank Actions for analytes detected below the reporting limit(RL).

If the sample result is < RL, report the result as nondetect (U) at the RL.

If the sample result is > RL or nondetect, no action is required.

Blank Actions for analytes detected above the reporting limit or RL.

If the sample result is < RL and < action level; report the result as nondetect (U) at the RL.

If the sample result is > RL and < action level; report the result as nondetect (U) at the reported value.

If the sample result is > action level or nondetect, no action is required.

Qualified sample results are listed in the table below.

Sample	Analyte	Reported Level	Validation Action
LT-G-029-8-10	Calcium	223 mg/Kg	277U mg/Kg
	Zinc	8.4 mg/Kg	11.1U mg/Kg
LT-G-031-4-6	Calcium	133 mg/Kg	288U mg/Kg
	Zinc	8.4 mg/Kg	11.5U mg/Kg
LT-G-031-6-8	Calcium	165 mg/Kg	256U mg/Kg
	Zinc	9.1 mg/Kg	10.3U mg/Kg
LT-G-033-0-2	Calcium	196 mg/Kg	287U mg/Kg
	Nickel	7.3 mg/Kg	28.7U mg/Kg
LT-G-033-2-4	Calcium	258 mg/Kg	285U mg/Kg
	Nickel	6.0 mg/Kg	28.5U mg/Kg
LT-G-033-6-8	Nickel	10.8 mg/Kg	26.7U mg/Kg
LT-G-034-0-2	Nickel	10.8 mg/Kg	25.1U mg/Kg
LT-G-034-2-4	Nickel	21.1 mg/Kg	29.1U mg/Kg
LT-G-035-0-2	Nickel	13.5 mg/Kg	29.2U mg/Kg
LT-G-035-2-4	Nickel	18.7 mg/Kg	27.9U mg/Kg
LT-G-035-6-8	Nickel	12.2 mg/Kg	29.0U mg/Kg
FB029	Zinc	0.0021 mg/L	0.010U mg/L

These results can be used for project objectives as nondetect (U) which may have a minor impact on the data usability.

FB029 were identified as a field blank. No analytes were detected above the reporting limits in the field blank sample.

ICP ICS Results

All analytes were recovered within control limits in the ICSA and ICSAB analyses on which a Category B review was performed. ICP ICS data were not evaluated for the samples reviewed by Category A criteria.

MS/MSD Results

The laboratory performed MS and MSD analyses on samples LT-G-028-0-2** and LT-G-032-6-8** for metals. The following table lists the analytes which exhibited recoveries outside of the control limits of 75 - 125% in the MS/MSD and the resulting validation actions.

MS Sample	Analyte	MS %R	MSD %R	RPD Limits	QC Limits	Associated Samples	Validation Actions
LT-G-028-0-2MS/MSD	Barium Manganese	162 134	144 134	- -	75-125 75-125	LT-G-060-0-2 LT-G-060-4-6 LT-G-060-8-10 LT-G-028-0-2** LT-G-028-4-6 LT-G-028-8-10 LT-G-029-0-2 LT-G-029-2-4 LT-G-029-8-10 DUP029 DUP030 LT-G-030-0-2 LT-G-030-4-6 LT-G-030-6-8 LT-G-031-0-2 LT-G-031-4-6 LT-G-031-6-8 LT-G-032-0-2 LT-G-032-4-6	J detects J detects
LT-G-028-0-2MS/MSD	Antimony	54	50	-	75-125	LT-G-060-0-2 LT-G-060-4-6 LT-G-060-8-10 LT-G-028-0-2** LT-G-028-4-6 LT-G-028-8-10 LT-G-029-0-2 LT-G-029-2-4 LT-G-029-8-10 DUP029 DUP030 LT-G-030-0-2 LT-G-030-4-6 LT-G-030-6-8 LT-G-031-0-2 LT-G-031-4-6 LT-G-031-6-8 LT-G-032-0-2 LT-G-032-4-6	J detects UJ nondetects

MS Sample	Analyte	MS %R	MSD %R	RPD Limits	QC Limits	Associated Samples	Validation Actions
LT-G-032-6-8MS/MSD	Aluminum	395	434	-	75-125	LT-G-032-6-8**	J detects
	Cobalt	38	56	-	75-125	LT-G-033-0-2	J detects
	Iron	135	-	-	75-125	LT-G-033-2-4	J detects
	Nickel	51	62	-	75-125	LT-G-033-6-8	J detects
	Vanadium	64	-	-	75-125	LT-G-034-0-2	
						LT-G-034-2-4	
						LT-G-034-6-8	
						LT-G-035-0-2	
						LT-G-035-2-4	
						LT-G-035-6-8	
LT-G-032-6-8MS/MSD	Antimony	70	72	-	75-125	LT-G-032-6-8**	UJ nondetects
						LT-G-033-0-2	
						LT-G-033-2-4	
						LT-G-033-6-8	
						LT-G-034-0-2	
						LT-G-034-2-4	
						LT-G-034-6-8	
						LT-G-035-0-2	
						LT-G-035-2-4	
						LT-G-035-6-8	

Estimate (J) the positive barium, magnesium, aluminum, and iron results for the samples listed above due to high MS percent recovery results. The results may be biased high. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Estimate (J) the positive cobalt, nickel, and vanadium results for the samples listed above due to low MS percent recovery results. The results may be biased low. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Estimate (J/UJ) the positive and nondetect antimony results for the samples listed above due to low MS percent recovery results. The results may be biased low. The results are usable for project objectives as estimated values which may have a minor effect on the data usability.

Laboratory Duplicate Results

Laboratory duplicates were not associated with this sample set. Validation action was not required on this basis.

Field Duplicate Results

Analytes were detected in the field duplicate samples. The following table summarizes the concentrations and validation actions taken.

Analyte	Concentration (mg/Kg)		RPD (Limits)	Difference (Limits)	Validation Actions
	LT-G-060-8-10	DUP029			
Aluminum	3560	2050	54 (≤100)	-	-

Analyte	Concentration (mg/Kg)		RPD (Limits)	Difference (Limits)	Validation Actions
	LT-G-060-8-10	DUP029			
Arsenic	2.5	2.7	-	0.2 (≤ 24.2)	-
Barium	43.8	24.8	55 (≤ 100)	-	-
Beryllium	0.17	0.15	-	0.02 (≤ 2.4)	-
Cadmium	0.12	0.089	-	0.031 (≤ 2.4)	-
Calcium	815	590	-	225 (≤ 608)	-
Chromium	18.7	8.8	72 (≤ 100)	-	-
Cobalt	106	64.3	49 (≤ 100)	-	-
Copper	6.8	5.5	-	1.3 (≤ 12.2)	-
Iron	21800	17900	20 (≤ 100)	-	-
Lead	2.3	1.8	-	0.5 (≤ 12.2)	-
Magnesium	1780	791	77 (≤ 100)	-	-
Manganese	818	417	65 (≤ 100)	-	-
Nickel	41.6	26.0	-	15.6 (≤ 60.8)	-
Potassium	1200	603	66 (≤ 100)	-	-
Sodium	49.4	35.5	-	13.9 (≤ 1700)	-
Vanadium	15.9	9.1	-	6.8 (≤ 6.0)	J detects
Zinc	35.9	26.9	-	9 (≤ 24.2)	-

--no action required

For soil results > 5xRL and RPDs >100; estimate (J) results in the field duplicate pair.

For soil results < 5xRL; the sample and duplicate results must be within 2XRL.

Analyte	Concentration (mg/Kg)		RPD (Limits)	Difference (Limits)	Validation Actions
	DUP030	LT-G-030-4-6			
Aluminum	5120	5890	14 (≤ 100)	-	-
Antimony	89.9U	0.48	-	89.42 (≤ 179.8)	-
Arsenic	8.6	4.8	-	3.8 (≤ 24.0)	-
Barium	54.9	38.2	36 (≤ 100)	-	-
Beryllium	0.25	0.23	-	0.02 (≤ 2.4)	-
Cadmium	0.26	0.22	-	0.04 (≤ 2.4)	-
Calcium	637	542	16 (≤ 100)	95 (≤ 600)	-
Chromium	18.4	19.6	6 (≤ 100)	-	-
Cobalt	8.7	10.6	-	1.9 (≤ 6.0)	-
Copper	10.2	9.9	-	0.3 (≤ 12.0)	-
Iron	33800	26800	23 (≤ 100)	-	-
Lead	3.9	3.4	-	0.5 (≤ 12.0)	-
Magnesium	1630	1830	12 (≤ 100)	-	-
Manganese	541	629	15 (≤ 100)	-	-
Nickel	15.6	13.7	-	1.9 (≤ 60.0)	-
Potassium	1280	896	35 (≤ 100)	-	-
Sodium	34.3	37.3	-	3 (≤ 1678)	-
Vanadium	17.8	16.9	5 (≤ 100)	-	-
Zinc	29.8	32.3	-	2.5 (≤ 24.0)	-
Mercury	0.023U	0.010	-	0.013 (≤ 0.046)	-

--no action required

For soil results > 5xRL and RPDs >100; estimate (J) results in the field duplicate pair.

For soil results < 5xRL; the sample and duplicate results must be within 2XRL.

The positive results for vanadium were qualified as estimated (J) due to high difference in field duplicate results for samples LT-G-060-8-10 and DUP029. The direction of the bias cannot be determined from this nonconformance. The results can be used for project objectives as estimated values which may have a minor impact on the data usability.

LCS/CRM Results

All criteria were met.

Serial Dilution Results

A serial dilution analysis was performed on samples LT-G-028-0-2** and LT-G-032-6-8** for metals. Analytes that did not meet the criteria are summarized in the following table.

Diluted Sample	Analyte	%D (Limits)	Associated Samples	Validation Actions
LT-G-028-0-2**	Calcium	11 (≤ 10)	LT-G-060-0-2	J detects
	Iron	19 (≤ 10)	LT-G-060-4-6	J detects
	Manganese	11 (≤ 10)	LT-G-060-8-10	J detects
	Zinc	13 (≤ 10)	LT-G-028-0-2**	J detects
			LT-G-028-4-6	
			LT-G-028-8-10	
			LT-G-029-0-2	
			LT-G-029-2-4	
			LT-G-029-8-10	
			DUP029	
			DUP030	
			LT-G-030-0-2	
			LT-G-030-4-6	
			LT-G-030-6-8	
			LT-G-031-0-2	
			LT-G-031-4-6	
			LT-G-031-6-8	
			LT-G-032-0-2	
			LT-G-032-4-6	
LT-G-032-6-8**	Aluminum	22 (≤ 10)	LT-G-032-6-8**	J detects
	Barium	23 (≤ 10)	LT-G-033-0-2	J detects
	Beryllium	23 (≤ 10)	LT-G-033-2-4	J detects
	Calcium	24 (≤ 10)	LT-G-033-6-8	J detects
	Chromium	22 (≤ 10)	LT-G-034-0-2	J detects
	Cobalt	11 (≤ 10)	LT-G-034-2-4	J detects
	Copper	18 (≤ 10)	LT-G-034-6-8	J detects
	Iron	28 (≤ 10)	LT-G-035-0-2	J detects
	Magnesium	25 (≤ 10)	LT-G-035-2-4	J detects
	Manganese	25 (≤ 10)	LT-G-035-6-8	J detects
	Nickel	12 (≤ 10)		J detects
	Vanadium	21 (≤ 10)		J detects
	Zinc	23 (≤ 10)		J detects

The positive results for aluminum, barium, beryllium, calcium, chromium, cobalt, copper, iron, magnesium, manganese, nickel, vanadium, and zinc were qualified as estimated (J) due to high percent difference in the serial dilution analysis. The direction of the bias cannot be determined from this nonconformance. The results can be used for project objectives as estimated values which may have a minor impact on the data usability.

Moisture Content

All criteria were met.

Detection Limits Results

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL). These results were estimated (J) by the laboratory.

No dilutions were required.

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

- U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.
- J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified “J” data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The ‘J’ data may be biased high or low or the direction of the bias may be indeterminable.
- UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified “UJ” data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The ‘UJ’ data may be biased low.
- R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 31445D4

VALIDATION COMPLETENESS WORKSHEET

SDG #: 480-55212-1

Cat A/Cat B

Laboratory: Test America, Inc.

Date: 2/17/14

Page: 1 of 1

Reviewer: [Signature]

2nd Reviewer: [Signature]

METHOD: Metals (EPA SW 846 Method 6010C/7000)

74715/ 7470A

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 2/14/14
II.	ICP/MS Tune	W/2	Not reviewed for Cat A review.
III.	Calibration	A	Not reviewed for Cat A review.
IV.	Blanks	SW	
V.	ICP Interference Check Sample (ICS) Analysis	A	Not reviewed for Cat A review.
VI.	Matrix Spike Analysis	SW	
VII.	Duplicate Sample Analysis	N	
VIII.	Laboratory Control Samples (LCS)	A	LCS, CRM
IX.	Internal Standard (ICP-MS)	NA	
X.	ICP Serial Dilution	SW	Not reviewed for Cat A review.
XI.	Sample Result Verification	A	Not reviewed for Cat A review. MRL < Result < RL, JLT
XII.	Overall Assessment of Data	A	
XIII.	Field Duplicates	SW	(3, 10), (11, 13)
XIV.	Field Blanks	W	FB30 < RL

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

1	LT-G-060-0-2	11	DUP030	21	LT-G-033-0-2	31	LT-G-028-0-2MS
2	LT-G-060-4-6	12	LT-G-030-0-2	22	LT-G-033-2-4	32	LT-G-028-0-2MSD
3	LT-G-060-8-10	13	LT-G-030-4-6	23	LT-G-033-6-8	33	LT-G-032-6-8MS
4	LT-G-028-0-2	14	LT-G-030-6-8	24	LT-G-034-0-2	34	LT-G-032-6-8MSD
5	LT-G-028-4-6	15	LT-G-031-0-2	25	LT-G-034-2-4	35	
6	LT-G-028-8-10	16	LT-G-031-4-6	26	LT-G-034-6-8	36	
7	LT-G-029-0-2	17	LT-G-031-6-8	27	LT-G-035-0-2	37	
8	LT-G-029-2-4	18	LT-G-032-0-2	28	LT-G-035-2-4	38	
9	LT-G-029-8-10	19	LT-G-032-4-6	29	LT-G-035-6-8	39	
10	DUP029	20	LT-G-032-6-8	30	FB029	40	

Notes: [Signature]

All circled elements are applicable to each sample.

[illegible]

Comments: Mercury by CVAA if performed

VALIDATION FINDINGS WORKSHEET
PB/ICB/CCB QUALIFIED SAMPLES

METHOD: Trace Metals (SW 846 6010C/7471B/7470A)

Soil preparation factor applied: Sample Concentration units, unless otherwise noted: mg/KgAssociated Samples: 1-19

					Sample Identification									
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit	9	16	17							
Ca	5.66				233/277	133/288	165/256							
Fe	3.41													
Mn	0.123													
Zn	0.401				8.4/11.1	8.4/11.5	9.1/10.3							

Sample Concentration units, unless otherwise noted: mg/Kg Associated Samples: 20-29

					Sample Identification									
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit	21	22	23	24	25	27	28	29		
Ca	4.50				196/287	258/285								
Cr	0.617													
Fe	5.20													
Mn	0.152													
Ni	0.327				7.3/28.7	6.0/28.5	10.8/26.7	10.8/25.1	21.1/29.1	13.5/29.2	18.7/27.9	12.2/29.0		
Zn	0.393													

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".

Note : a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

LDC #: 31445C4

VALIDATION FINDINGS WORKSHEET
PB/ICB/CCB QUALIFIED SAMPLESPage: 2 of 2
Reviewer:
2nd Reviewer:

METHOD: Trace Metals (SW 846 6010C/7471B/7470A)

Soil preparation factor applied: Sample Concentration units, unless otherwise noted: mg/LAssociated Samples: 30

					Sample Identification							
Analyte	Maximum PB ^a (mg/Kg)	Maximum PB ^a (mg/L)	Maximum ICB/CCB ^a (mg/L)	Blank Action Limit	30							
Ca			0.220									
Mn			0.00122									
Zn			0.00190		0.0021/0.010							

Samples with analyte concentrations within five times the associated ICB, CCB or PB concentration are listed above with the identifications from the Validation Completeness Worksheet. These sample results were qualified as not detected, "U".

Note : a - The listed analyte concentration is the highest ICB, CCB, or PB detected in the analysis of each element.

VALIDATION FINDINGS WORKSHEET

Matrix Spike/Matrix Spike Duplicates

METHOD: Trace metals (EPA SW 846 Method 6010C/7471B/7470A)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y)N N/A Was a matrix spike analyzed for each matrix in this SDG?

Y N N/A Were matrix spike percent recoveries (%R) within the control limits of 75-125? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.

(Y) N N/A Were all duplicate sample relative percent differences (RPD) within the control limits of 35 for soil and 20 for water?

LEVEL IV ONLY:

Y N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

[illegible]

Comments: 31/32: Al, Fe, Mn >4X, 33/34: Zn > 4X, no qual for %R

VALIDATION FINDINGS WORKSHEET

Matrix Spike/Matrix Spike Duplicates

Page: 1 of 1

Reviewer:

2nd Reviewer: oz

METHOD: Trace metals (EPA SW 846 Method 6010C/7471B/7470A)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y)N N/A Was a matrix spike analyzed for each matrix in this SDG?

Y N N/A Were matrix spike percent recoveries (%R) within the control limits of 75-125? If the sample concentration exceeded the spike concentration by a factor of 4 or more, no action was taken.

(Y) N N/A Were all duplicate sample relative percent differences (RPD) within the control limits of 35 for soil and 20 for water?

LEVEL IV ONLY:

Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

[illegible]

Comments: 31/32: Al, Fe, Mn >4X, 33/34: Zn > 4X, no qual for %R

METHOD: Metals (EPA Method 6010C/7471B)

Compound	Concentration (mg/Kg)		(≤100) RPD	Difference	Limits	Qualifications (Parent Only)
	3	10				
Aluminum	3560	2050	54			
Arsenic	2.5	2.7		0.2	(≤24.2)	
Barium	43.8	24.8	55			
Beryllium	0.17	0.15		0.02	(≤2.4)	
Cadmium	0.12	0.089		0.031	(≤2.4)	
Calcium	815	590		225	(≤608)	
Chromium	18.7	8.8	72			
Cobalt	106	64.3	49			
Copper	6.8	5.5		1.3	(≤12.2)	
Iron	21800	17900	20			
Lead	2.3	1.8		0.5	(≤12.2)	
Magnesium	1780	791	77			
Manganese	818	417	65			
Nickel	41.6	26.0		15.6	(≤60.8)	
Potassium	1200	603	66			
Sodium	49.4	35.5		13.9	(≤1700)	
Vanadium	15.9	9.1		6.8	(≤6.0)	J det
Zinc	35.9	26.9		9	(≤24.2)	

Compound	Concentration (mg/Kg)		(≤100) RPD	Difference	Limits	Qualifications (Parent Only)
	11	13				
Aluminum	5120	5890	14			
Antimony	89.9U	0.48		89.42	(≤179.8)	

VALIDATION FINDINGS WORKSHEET
Field Duplicates

METHOD: Metals (EPA Method 6010C/7471B)

Compound	Concentration (mg/Kg)		(<100) RPD	Difference	Limits	Qualifications (Parent Only)
	11	13				
Arsenic	8.6	4.8		3.8	(≤24.0)	
Barium	54.9	38.2	36			
Beryllium	0.25	0.23		0.02	(≤2.4)	
Cadmium	0.26	0.22		0.04	(≤2.4)	
Calcium	637	542	16	95	(≤600)	
Chromium	18.4	19.6	6			
Cobalt	8.7	10.6		1.9	(≤6.0)	
Copper	10.2	9.9		0.3	(≤12.0)	
Iron	33800	26800	23			
Lead	3.9	3.4		0.5	(≤12.0)	
Magnesium	1630	1830	12			
Manganese	541	629	15			
Nickel	15.6	13.7		1.9	(≤60.0)	
Potassium	1280	896	35			
Sodium	34.3	37.3		3	(≤1678)	
Vanadium	17.8	16.9	5			
Zinc	29.8	32.3		2.5	(≤24.0)	
Mercury	0.023U	0.010		0.013	(≤0.046)	

VALIDATION FINDINGS WORKSHEET **ICP Serial Dilution**

Page: 1 of 1
 Reviewer: [Signature]
 2nd Reviewer: [Signature]

METHOD: Trace Metals (EPA SW846 Method6010C/7471B/7470A)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A If analyte concentrations were > 50X the MDL (ICP) ,or >100X the MDL (ICP/MS), was a serial dilution analyzed?

Y N N/A Were ICP serial dilution percent differences (%D) ≤10%?

Y N N/A Is there evidence of negative interference? If yes, professional judgement will be used to qualify the data.

LEVEL IV ONLY:

Y N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Date	Diluted Sample ID	Matrix	Analyte	%D (Limits)	Associated Samples	Qualifications
1		4	Soil	Ca	11	1-19	J det (All det)
				Fe	19	↓	↓
				Mn	11	↓	↓
				Zn	13	↓	↓
2		20	Soil	Al	22	20-29	J det (All det)
				Ba	23	↓	↓
				Be	23	↓	↓
				Ca	24	↓	↓
				Cr	22	↓	↓
				Co	11	↓	↓
				Cu	18	↓	↓
				Fe	28	↓	↓
				Mg	25	↓	↓
				Mn	25	↓	↓
				Ni	12	↓	↓
				V	21	↓	↓
				Zn	23	↓	↓

Comments: _____

DC #: 3144804

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Page: 1 of 1
Reviewer: [Signature]
2nd Reviewer: [Signature]

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$$\%R = \frac{\text{Found}}{\text{True}} \times 100$$

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalculated	Reported	Acceptable (Y/N)
					%R	%R	
<u>ICV</u>	ICP (Initial calibration)	<u>K</u>	<u>18.84</u>	<u>18.8</u>	<u>100</u>	<u>101</u>	<u>Y</u>
	ICP/MS (Initial calibration)						
<u>ICV</u>	CVAA (Initial calibration)	<u>Hg</u>	<u>0.00309</u>	<u>0.0030</u>	<u>103</u>	<u>103</u>	<u>Y</u>
<u>CCV</u>	ICP (Continuing calibration)	<u>Cd</u>	<u>0.5238</u> <u>0.5175</u>	<u>0.501</u>	<u>105</u> <u>104</u>	<u>105</u>	<u>Y</u>
	ICP/MS (Continuing calibration)						
<u>CCV</u>	CVAA (Continuing calibration)	<u>Hg</u>	<u>0.00207</u>	<u>0.0020</u>	<u>104</u>	<u>104</u>	<u>Y</u>
	GFAA (Initial calibration)						
	GFAA (Continuing calibration)						

Comments: Refer to Calibration Verification findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the calculated results.

DC #: 3144504

VALIDATION FINDINGS WORKSHEET Level IV Recalculation Worksheet

Page: 1 of 1
Reviewer:
2nd Reviewer:

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$$\%R = \frac{\text{Found}}{\text{True}} \times 100$$

Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

Sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$$\%PD = \frac{|S-D|}{(S+D)/2} \times 100$$

Where, S = Original sample concentration
D = Duplicate sample concentration

ICP serial dilution percent difference (%D) was recalculated using the following formula:

$$\%D = \frac{|I-SDR|}{I} \times 100$$

Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (units)	True / D / SDR (units)	Recalculated	Reported	Acceptable (Y/N)
					%R / RPD / %D	%R / RPD / %D	
ICSA	ICP interference check	Ag	0.2217	0.200	111	111	Y
LC	Laboratory control sample	Ag	110.8	98.9	112.0	112.1	Y
31	Matrix spike	Cr	(SSR-SR) 54.07	50.9	106	106	Y
33/34	Duplicate	Zn	221.7	220.3	1	1	Y
4	ICP serial dilution	Cu	0.20958	0.20062	4.5	4.5	Y

Comments: Refer to appropriate worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

Note: _____

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(b) Form I's?

YES NO N/A

☒ ☐ ☐

Is the number of samples on the Cover
Page the same as the number of
samples on the Traffic Report sheet
and the Regional Record of Communication
(ROC) for the data Case?

☐ ☐ ☒

ACTION:

If no for any of the above, prepare
Telephone Record Log and contact RSCC/PO
for re-submittal of the corrected Cover Page
from the laboratory.

A.1.6 SDG Narrative, DC-1 & DC-2 Form

Is the SDG Narrative present?

☒ ☐ ☐

Is Sample Log-In Sheet(Form DC-1)
present and complete?

☐ ☐ ☒

Is Complete SDG Inventory Sheet(Form DC-2)
present and complete?

☐ ☐ ☒

ACTION:

If no, write in the Contract-Problems/
Non-Compliance Section of the Data Review
Narrative.

A.1.7 Form I to XV

A.1.7.1 Are all the Form I through Form XV
labeled with:

Laboratory Name?

☒ ☐ ☐

Laboratory Code?

☐ ☐ ☒

RAS/Non-RAS Case No.?

☒ ☐ ☐

SDG No.?

☒ ☐ ☐

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YES NO N/A

A.1.1 Contract Compliance Screening Report

Present?

☒ ☐ ☐

ACTION: If no, contact RSCC/PO.

A.1.2 Record of Communication (from RSCC)

Present?

☒ ☐ ☐

ACTION: If no, request from the RSCC.

A.1.3 Sampling Trip Report

Present and complete?

☒ ☐ ☐

ACTION: If no, contact RSCC/PO.

A.1.4 Chain of Custody/Sample Traffic Report

Present?

☒ ☐ ☐

Legible?

☒ ☐ ☐

Signature of sample custodian
present?

☒ ☐ ☐

ACTION: If no, contact RSCC/WAM/PO.

A.1.5 Cover Page

Present?

☒ ☐ ☐

Is the Cover Page properly filled in
and the verbatim signed by the lab
manager or the manager's designee?

☒ ☐ ☐

Do the sample identification numbers
on the Cover Page agree with sample
Identification numbers on:

(a) Traffic Report Sheet?

☐ ☐ ☒

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Contract No.?

YES	NO	N/A
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ACTION:

If no for any of the above, note under Contract Problem/Non-Compliance Section of the "Data Review Narrative" and contact PO for corrected Form(s) from the laboratory.

A.1.7.2 After comparing values on Forms I-IX against the raw data, do any computation/transcription errors exceed 10% of the reported values on the Forms for:

(a) all analytes analyzed by ICP-AES?

☐ ☒ ☐

(b) all analytes analyzed by ICP-MS?

☐ ☐ ☒

(c) Mercury?

☐ ☒ ☐

(d) Cyanide?

☐ ☐ ☒

ACTION:

If yes, prepare Telephone Record Log and contact CLP PO/TOPO for the corrected data from the laboratory.

A.1.8 Raw Data

Data shall not be validated without the hard/electronic copies of the associated raw data for samples and QC samples.

A.1.8.1 Digestion/Distillation Log

Digestion Log for ICP-AES
(Form XII) present?

☒ ☐ ☐

Digestion Log for ICP-MS
(Form XII) present?

☐ ☐ ☒

Digestion Log for mercury
(Form XII) present?

☒ ☐ ☐

Distillation Log for cyanide
(Form XII) present?

☐ ☐ ☒

Are pH values for metals and

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YES NO N/A

cyanide reported for each
aqueous sample?

☒ _ _

Are percent solids calculations
present for soils/sediments?

☒ _ _

Are preparation dates present on the
sample preparation logs/bench sheets?

☒ _ _

NOTE:

Digestion/Distillation log must include weights, volumes,
and dilutions used to obtain the reported results.

A.1.8.2 Is the analytical instrument
real-time printouts present for:

ICP-AES?

☒ _ _

ICP-MS?

☐ _ ☒

Mercury?

☒ _ _

Cyanide?

☐ _ ☒

Are all laboratory bench sheets
and instrument raw data printouts
necessary to support all sample
analyses and QC operations:

Legible?

☒ _ _

Properly labeled?

☒ _ _

Are all field samples, QC samples
and field QC samples present on:

Digestion/Distillation log?

☒ _ _

Instrument Printouts?

☒ _ _

ACTION:

If no for any of the above questions in
Section A.1.8.1 and Section A.1.8.2, write
Telephone Record Log and contact TOPO/PO
for re-submittal from the laboratory.

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YES NO N/A

A.1.9 Technical Holding Times: (Aqueous and soil samples)

(Examine sample Traffic Reports and digestion/distillation logs to determine the holding time from the sample collection date to the sample preparation date.)

A.1.9.1 Cyanide distillation(14 days)exceeded? ☐ ☒ ☐

Mercury analysis(28 days) exceeded? ☐ ☒ ☐

Other Metals analysis(180 days)exceeded? ☐ ☒ ☐

ACTION:

If yes, reject (R) and red-line non-detects and flag as estimated (J)results \geq MDL even if sample(s) was preserved properly.

NOTE:

In addition to qualifying the data, a list of all samples and analytes which exceeded the holding times must be prepared. Report for each sample the number of days that were exceeded. (Subtract the sample collection date from the sample preparation date). Attach this list to the data review narrative.

A.1.9.2 Is pH of aqueous samples for:

Metals Analysis ≤ 2 ? ☒ ☐ ☐

Cyanide Analysis ≥ 12 ? ☐ ☐ ☒

ACTION:

If no for any of the above, flag non-detects as "R" and detects as "J".

A.1.9.3 Is the cooler temperature ≤ 10 C°? ☒ ☐ ☐

ACTION:

If cooler temperature is $>10^{\circ}\text{C}$, flag non-detects as "UJ" and detects as "J".

A.1.10 Final Data Correctness - Form I

A.1.10.1 Are Form I's for all samples

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YES NO N/A

present and complete?

☒ ☐ ☐

ACTION:

If no, prepare Telephone Record
Log and contact CLP PO/TOPO for
submittal from the laboratory.

A.1.10.2 Verify there are no calculation and transcription errors in the results
reported on Form I's. Circle on each Form I all results that are incorrect.

Is the calculation error less than 10% of the correct result? ☒ ☐ ☐

Are results on Form I's reported in correct units (ug/L for aqueous and
MG/KG for soils)? ☒ ☐ ☐

Are results on Form I'S reported by correct significant figures? ☒ ☐ ☐

Are soil sample results on Form I's
corrected for percent solids?

☒ ☐ ☐

Are all "less than MDL" values reported
by the CRQLs and coded with "U"?

☒ ☐ ☐

Are values less than the CRQLs
but greater than or equal to the
MDLs flagged with "J"?

☒ ☐ ☐

Are appropriate contractual quality
control and Method qualifiers used?

☒ ☐ ☐

ACTION:

If no for any of the above questions,
prepare Telephone Record Log, and contact
CLP PO/TOPO for corrected data.

A.1.10.3 Do EPA sample identification numbers
and the corresponding laboratory
sample identification numbers match
on the Cover Page, Form I's and
in the raw data?

☒ ☐ ☐

Was a brief physical description

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YES NO N/A

of the samples before and after
digestion given on the Form I's?

[] ☒ —

Was any sample result outside the
mercury/cyanide calibration range
or the ICP-AES/ICP-MS linear range
diluted and noted on the Form I?

[] — ☒

ACTION:

If no for any of the above, note under
the Contract-Problem/Non-Compliance
Section of the Data Review Narrative.

A.1.11 Initial Calibration

A.1.11.1 Is a record of at least 2 point
(A blank and a standard)calibration
present for ICP-AES analysis?

☒ — —

Is a record of at least 2 point
(a blank and a standard)calibration
present for ICP-MS analysis?

[] — ☒

Is a record of at least 5 point calibration
(a blank & 4 standards)present for Hg analysis?

☒ — —

Is a record of at least 4 point calibration
(a blank & 4 standards)present for cyanide?

[] — ☒

ACTION:

If incomplete or no initial calibration
was performed, reject (R) and red-line
the associated data (detects & non-detects).

Is one initial calibration standard
at the CRQL level for cyanide and
mercury?

☒ — —

ACTION:

If no, write in the Contract Problem/
Non-Compliance Section of the Data
Review Narrative .

A.1.11.2 Is the curve correlation
coefficient ≥ 0.995 for:

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	<u>YES</u>	<u>NO</u>	<u>N/A</u>
Mercury Analysis?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cyanide Analysis?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ICP-AES (more than 2 point Calib.)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ICP-MS (more than 2 point calib.)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ACTION:

If no, qualify the associated sample results \geq MDL as estimated "J" and non-detects as "UJ".

NOTE:

The correlation coefficient shall be calculated by the data validator using standard concentrations and the corresponding instrument response (e.g. absorbance, peak area, peak height, etc.).

A.1.12 Initial and Continuing Calibration Verification- Form IIA

A.1.12.1	Present and complete for every metal and cyanide?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Present and complete for ICP-AES and ICP-MS when both these methods were used for the same analyte?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ACTION:

If no for any of the above, prepare a Telephone Record Log and contact PO/TOPO for re-submittal from the laboratory.

A.1.12.2	Was a Continuing Calibration Verification performed every 10 samples or every 2 hours whichever is more frequent?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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ACTION:

If no for any of the above, write in the Contract-Problem/Non-Compliance Section of the Data Review Narrative.

A.1.12.3	Was an ICV or a mid-range standard distilled and analyzed with each batch of cyanide samples?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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YES NO N/A

ACTION:

If no for any of the above, write
in the Contract-Problem/Non-Compliance
Section of the Data Review Narrative and
qualify results \geq MDL as estimated (J).

- A.1.12.2 Circle on each Form IIA all percent recoveries
that are outside the contract windows.

Are ICV/CCVs within control limits for:

Metals - 90-110%R?

[☒]

Hg - 80-120%R?

[☒]

Cyanide - 85-115%R?

[☐] [☒]

ACTION:

If no, qualify all samples between a previous technically acceptable CCV
standard and a subsequent technically acceptable CCV standard as
follows as follows:

Qualify as estimated (J) all detects and non-detects,
if the ICV/CCV %R is between 75-89%(65-79% for Hg; 70-84% for CN).
Qualify only positive results(\geq MDL) as "J" if the ICV/CCV %R is
between 111-125%(121-135% for Hg; 116-130% for CN). Reject (R) and
red-line only
detects if the recovery is greater than 125% (135% for Hg; 130% for
CN). Reject (R) and red-line all associated results (hits and non-
detects) if the recovery is less than 75%(65% for Hg; 70% for CN).

NOTE:

For ICV that does not fall within the acceptance limits,
qualify all samples reported from the analytical run.

- A.1.12.3 Was the distilled ICV or mid-range
standard for cyanide within acceptance
limits (85-115%)?

[☐] [☒]

ACTION:

If no, Qualify all cyanide results \geq MDL as "J".

A.1.13 CRQL Standard Analysis - Form IIB

- A.1.13.1 For each ICP-AES run, was a CRI

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(CRQL or MDL when MDL > CRQL)
standard analyzed?

(Note: CRI is not required for Al, Ba,
Ca, Fe, Mg, Na and K.)

YES NO N/A

☒ ☐ ☐

For each ICP-MS run, was a CRI
(CRQL or MDL when MDL > CRQL) standard
analyzed for each mass/isotope used
for the analysis?

☐ ☐ ☒

For each mercury run, was a CRQL
standard analyzed?

☒ ☐ ☐

For each cyanide run, was a CRQL
standard analyzed?

☐ ☐ ☒

ACTION:

If no for any of the above, write
this deficiency in the Contract Problems/
Non-Compliance Section of the Data Review
Narrative, inform CLP PO and flag results
in the affected ranges (detects <2xCRQL) as J
and non-detects UJ.

The affected ranges are:

ICP-AES Analysis - *True Value \pm CRQL

ICP-MS Analysis - *True Value \pm CRQL

Mercury Analysis - *True Value \pm CRQL

Cyanide Analysis - *True Value \pm CRQL

* True value of the CRQL Standard

A.1.13.2 Was a CRQL standard analyzed after the
ICV/ICB, before the final CCV/CCB and
once every 20 analytical samples in
the analytical run for each analysis?

☐ ☒ ☐

ACTION:

If no, write in the Contract Problem/
Non-Compliance Section of the
"Data Review Narrative".

A.1.13.3 Circle on each Form IIB all percent
recoveries that are outside the
acceptance windows.

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Is the CRQL standard within control limits for:

Metals(ICP-AES/ICP-MS)- 70 - 130%?

☒ YES ☐ NO ☐ N/A

Mercury- 70 - 130%?

☒ YES ☐ NO ☐ N/A

Cyanide - 70 - 130%?

☐ YES ☐ NO ☒ N/A

ACTION:

If no, flag detects <2xCRQL as "J" and non-detects as "UJ" if the CRQL standard recovery is between 50-69%. Flag(J) only detects <2xCRQL if the recovery is between 131% and ≤180%. If the recovery is less than 150%, reject(R) and red-line non-detects and detects < 2xCRQL, and flag (J) detects between 2xCRQL and ICV/CCV. Reject and red-line only detects <2xCRQL and flag (J) detects ≥ 2xCRQL but < ICV/CCV if the recovery is > 180%.

NOTE:

1. Qualify all field samples analyzed between a previous technically acceptable analysis of the CRQL standard and a subsequent acceptable analysis of the CRQL standard
2. Flag (J) or reject (R) only the final sample results on Form I's when Sample raw data are within the affected ranges and the CRQL standard is outside the acceptance windows.
3. The samples and the CRQL standard must be analyzed in the same analytical run.

A.1.14 Initial and Continuing Calibration Blanks - Form III

A.1.14.1 Present and complete for all the instruments used for the metals and cyanide analyses?

☒ YES ☐ NO ☐ N/A

Was an initial Calibration Blank analyzed after ICV?

☒ YES ☐ NO ☐ N/A

Was a continuing Calibration Blank analyzed after every CCV and every 10 samples or every 2 hours, whichever is more frequent?

☒ YES ☐ NO ☐ N/A

Were the ICB & CCB values ≥ MDL but < CRQL reported on Form III and flagged "J" by

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YES NO N/A

using MDLs from direct analysis(Preparation
Method "NP1")?
(Check Form III against the raw data)

[☒]

ACTION:

If no, inform CLP PO/TOPO and make a note
in the Contract-Problems/Non-Compliance
Section of the "Data Review Narrative".

A.1.14.2 Circle with red pencil on each Form III
all Calib. Blank values that are:

\geq MDL but \leq CRQL

$>$ CRQL

A.1.14.2.1 When MDL < CRQL, is any Calib. Blank
value \geq MDL but \leq CRQL?

_____ [☒] _____

ACTION:

If yes, change sample results \geq MDL
but \leq CRQL to the CRQL with a "U".
Do not qualify non-detects.

A.1.14.2.2 When MDL < CRQL, is any Calib. Blank
value $>$ CRQL?

_____ [☐] ☒

ACTION:

If yes, reject (R) and red line the
associated sample results $>$ CRQL
but $<$ ICB/CCB Blank Result. Flag as "J"
detects $>$ ICB/CCB blank value but
 $<$ 10xICB/CCB value. Change the sample
results \geq MDL but \leq the CRQL to CRQL
with a "U".

A.1.14.2.3 Is any Calibration Blank value
below the negative CRQL?

_____ [☒] _____

ACTION:

If yes, flag (J) as estimated all
associated sample results \geq CRQL but
 $<$ 10xCRQL.

NOTE:

1. For ICB that does not meet the technical
QC Criteria, apply the action to all samples

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YES	NO	N/A
-----	----	-----

reported from the analytical run.

2. For CCBs that do not meet the technical QC criteria, apply the action to all samples analyzed between a previous technically acceptable analysis of CCB and a subsequent technically acceptable analysis of the CCB in the analytical run.,

A.1.15 Preparation Blank - FORM III

NOTE: The Preparation Blank for mercury is the same as the calibration blank.

A.1.15.1 Was one Preparation Blank prepared with and analyzed for:

Each Sample Delivery Group (SDG)?

<input checked="" type="checkbox"/>	_____	_____
-------------------------------------	-------	-------

Each batch of the SDG samples digested/distilled?

<input checked="" type="checkbox"/>	_____	_____
-------------------------------------	-------	-------

Each matrix type?

<input checked="" type="checkbox"/>	_____	_____
-------------------------------------	-------	-------

All instruments used for metals and cyanide analyses?

<input checked="" type="checkbox"/>	_____	_____
-------------------------------------	-------	-------

ACTION:

If no for any of the above, flag as estimated (J) all the associated positive data <10xMDL for which the Preparation Blank was not analyzed.

NOTE:

If only one blank was analyzed for more than 20 samples, then the first 20 samples analyzed are not estimated(J), but all additional samples must be qualified (J).

A.1.15.2 Circle with red pencil on each Form III all Prep. Blank values that are:

\geq MDL but \leq CRQL, and

$>$ CRQL

A.1.15.2.1 When MDL < CRQL, is any preparation blank value \geq MDL but \leq CRQL?

<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
-------------------------------------	--------------------------	-------

ACTION:

If yes, change sample result \geq MDL

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YES NO N/A

but \leq CRQL to CRQL with a "U".

A.1.15.2.2 When the MDL \leq CRQL, is any Preparation Blank value greater than its CRQL?

___ ☒ ___

If yes, is the Prep. Blank value greater than the value of the associated Field Blank collected and analyzed with the SDG samples?

___ ☒ ___

If yes, is the lowest concentration of that analyte in the associated samples less than 10 times the Preparation Blank value?

___ ☒ ___

ACTION:

If yes, reject (R) and red-line all associated sample results greater than the CRQL but less than the Prep.Blank value. Flag as "J" detects > Prep. Blank value but <10xPrep.Blank. If the sample result \geq MDL but \leq CRQL, replace it with CRQL-U.

If the Prep. Blank value is less than the same analyte value in the Field Blank, do not qualify the sample results due to the Prep. Blank criteria.

NOTE:

Convert soil sample result to mg/Kg on wet weight basis to compare with the soil Prep. Blank result on Form III.

A.1.15.2.3 Is the Prep. Blank concentration below the negative CRQL?

___ ☒ ___

ACTION:

If yes, flag (J) all associated sample results less than 10xCRQL. Qualify non-detects as estimated (UJ).

A.1.15.2.4 When the MDL is greater than the CRQL, is the preparation blank concentration on Form III greater than two times the MDL?

___ ☐ ☒

ACTION:

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	<u>YES</u>	<u>NO</u>	<u>N/A</u>
--	------------	-----------	------------

If yes, reject (R) and red-line all positive sample results with sample raw data less than 10 times the Preparation Blank value.

A.1.16 ICP-AES/ICP-MS Interference Check Sample (ICS) - Form IV
NOTE: Not required for CN, Hg, Al, Ca, Fe and Mg.

A.1.16.1 Present and complete? [☒] ☐ ☐

Was ICS analyzed at the beginning and end of each analytical run, and once for every 20 analytical samples? [☐] [☒] ☐

Was ICS analyzed at the beginning of the ICP-MS analytical run? [☐] ☐ [☒

ACTION:
If no, flag as estimated (J) all sample results.

A.1.16.2 ICP-AES Method

A.1.16.2.1 ICSA Solution:
For ICP-AES, are the ICSA "Found" analyte values within the control limits \pm of CRQL of the true/established mean value? [☒] ☐ ☐

If no for any of the above, is the sample concentration of Al, Ca, Fe, or Mg in the same units (ug/L or MG/KG) greater than or equal to its respective concentration in the ICSA Solution on Form IV? [☐] ☐ [☒

ACTION:
If yes, apply the following action to all samples analyzed between a previous technically acceptable analysis of the ICS and a subsequent technically acceptable analysis of the ICS in the analytical run:

Flag (J) as estimated only sample results \geq MDL

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YES NO N/A

for which the ICSA "Found" value is greater than (True value+CRQL). Do not qualify non-detects. If the ICSA "Found" value is less than (True value-CRQL), flag non-detects as "UJ" and detects as "J".

A.1.16.2.3 ICSAB Solution

For ICP-AES, are all analyte results in ICSAB within the control limits of 80-120 of the true/established mean value?

☒ ☐ ☐

If no for any of the above, is the sample concentration of Al, Ca, Fe, or Mg in the same units (ug/L or MG/KG) greater than or equal to its respective concentration in the ICSAB Solution on Form IV?

☐ ☐ ☒

ACTION:

If yes, apply the following action to all samples analyzed between a previous technically acceptable analysis of the ICS and a subsequent technically acceptable analysis of the ICS in the analytical run:

Flag (J) as estimated those associated sample results \geq MDL for which the ICSAB analyte recovery is greater than 120% but \leq 150%. If the ICSAB recovery falls within 50-79%, qualify sample results \geq MDL as "J" and non-detects as "UJ". Reject (R) and red-line all sample results (detects & non-detects) for which the ICSAB analyte recovery is less than 50%. If the recovery is above 150%, reject (R) and red-line only positive results.

A.1.16.3 ICP-MS Method

A.1.16.3.1 ICSA Solution:

For ICP-MS, are the ICSA "Found" analyte values within the control limits of \pm CRQL of the true/established mean value?

☐ ☐ ☒

ACTION:

If no, apply the following action to all samples reported from the analytical run:

Flag (J) as estimated only sample results \geq MDL if the ICSA "Found" value is greater than (True value+CRQL). Do not qualify non-detects. If the ICSA "Found" value is less than (True value-CRQL), flag the associated sample detects as "J" and non-detects as "UJ".

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YES NO N/A

A.1.16.3.3 ICSAB Solution

For ICP-MS, are all analyte results in ICSAB within the control limits of 80-120% of the true/established mean value, whichever is greater?

[] — ✓

ACTION:

If no, apply the following action to all samples reported from the analytical run:

Flag (J) as estimated those associated sample results \geq MDL for which the ICSAB analyte recovery is greater than 120% but \leq 150%. If the ICSAB recovery falls within 50-79% flag (J) as estimated the associated sample results \geq MDL. Reject (R) and red-line those all sample detects and non-detects for which the ICSAB analyte recovery is less than 50%. If the recovery is above 150%, reject (R) and red-line only detects (\geq MDL).

A.1.17 Spiked Sample Recovery: Pre-Digestion/Pre-Distillation)-Form V A
Note: Not required for Ca, Mg, K, and Na (both matrices); Al and Fe (soil only)

A.1.17.1 Was Matrix Spike analysis performed:

For each matrix type?

[✓] — —

For each SDG?

[✓] — —

On one of the SDG samples?

[✓] — —

For each concentration range (i.e., low, med., high)?

[✓] — —

For each analytical Method (ICP-AES, ICP-MS, Hg, CN) used?

[✓] — —

Was a spiked sample prepared and analyzed with the SDG samples?

[✓] — —

ACTION:

If no for any of the above, flag as estimated (J) all the positive data for which a spiked sample was not analyzed.

NOTE:

If more than one spiked sample were analyzed for one SDG, then qualify the associated data based on the worst spiked sample analysis.

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YES NO N/A

A.1.17.2 Was a field blank or PE sample used
for the spiked sample analysis?

_____ [✓] _____

ACTION:

If yes, flag (J) as estimated positive data of the associated SDG samples for which field blank or PE sample was used for the spiked sample analysis.

A.1.17.3 Circle on each Form VA all spike recoveries that are outside the control limits (75-125%) that have sample concentrations less than four times the added spike concentrations.

Are all recoveries within the control limits when sample concentrations are less than or equal to four times the spike concentrations?

[✓] _____

NOTE:

Disregard the out of control spike recoveries for analytes whose concentrations are greater than or equal to four times the spike added.

Are results outside the control limits (75-125%) flagged with Lab Qualifier "N" on Form I's and Form VA?

[] _____

ACTION:

If no for any of the above, write in the Contract - Problems/Non-Compliance Section of the Data Review Narrative.

A.1.17.4 Aqueous

Are any spike recoveries:

(a) less than 30%?

_____ [] _____

(b) between 30-74%?

_____ [] _____

(c) between 126-150%?

_____ [] _____

(d) greater than 150%?

_____ [] _____

ACTION:

If the matrix spike recovery is less than 30%, reject (R) and red-line all associated aqueous data (detects & non-detects). If between 30-74%, qualify all associated aqueous data \geq MDL as "J" and non-detects

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YES NO N/A

as "UJ". If between 126-150%, flag (J)
all data \geq MDL as "J". If greater than 150%,
reject (R) and red-line all associated data \geq MDL.

(NOTE: Replace "N" with "J", "R" as appropriate.)

A.1.17.5 Soil/Sediment

Are any spike recoveries:

(a) less than 10%?

☐ ☒ ☐

(b) between 10-74%?

☒ ☐ ☐

(c) between 126-200%?

☒ ☐ ☐

(d) greater than 200%?

☒ ☐ ☐

*Initial results were
not rejected by professional judgment*

ACTION:

If yes for any of the above, proceed
as follows:

If the matrix spike recovery is less
than 10%, reject (R) and red-line all
associated data (detects & non-detects);
if between 10-74%, qualify all associated
data \geq MDL as "J" and non-detects as "UJ";
if between 126-200%, flag (J) all associated
data \geq MDL as "J" If greater than 200%, reject
(R) and red-line all associated data \geq MDL.
(NOTE: Replace "N" with "J" or "R" as appropriate.)

A.1.18 Lab Duplicates) - Form VI

A.1.18.1 Was the lab duplicate analysis performed:

For each SDG?

☐ ☒ ☐

On one of the SDG samples?

☐ ☒ ☐

For each matrix type?

☐ ☒ ☐

For each concentration range
(low or med.)?

☐ ☒ ☐

For each analytical Method
(ICP-AES/ICP-MS, Hg, CN) Used?

☐ ☒ ☐

Was a lab duplicate prepared and
analyzed with the SDG samples?

☐ ☒ ☐

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YES NO N/A

ACTION:

If no for any of the above, flag (J) as estimated all the SDG sample results (detects & non-detects) for which the lab duplicate analysis was not performed.

NOTE:

If more than one lab duplicate sample were analyzed for an SDG, then qualify the associated samples based on the worst lab duplicate analysis.

- A.1.18.2 Was a Field Blank or PE sample used for the Lab Duplicate analysis?

— ☐ ☒

ACTION:

If yes, flag as estimated (J) all SDG sample results (hits & non-detects) for which Field Blank or PE sample was used for duplicate analysis.

- A.1.18.3 Circle on each Form VI all values that are:

RPD > 20%, or

Absolute Difference > CRQL

Are all values within control limits (RPD \leq 20% or absolute difference \leq \pm CRQL)?

☐ — ☒

If no, are all results outside the control limits flagged with an "*" (Lab Qualifier) on Form VI and on all Form I's?

☐ — ☒

ACTION:

If no, write in the Contract-Problems/Non-Compliance Section of the Data Review Narrative.

NOTE:

The laboratory is not required to report on Form VI the RPD when both values are non-detects.

- A.1.18.4 Aqueous

- A.1.18.4.1 When sample and duplicate values are both \geq 5xCRQL (substitute MDL for CRQL when MDL > CRQL),

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	YES	NO	N/A
is any RPD > 20% but < 100%?	___	[]	✓
is any RPD ≥ 100%?	___	[]	✓

ACTION:

If the RPD is > 20% but < 100%, flag (J) as estimated the associated sample data ≥ CRQL. If the RPD is ≥ 100%, reject (R) and red-line the associated sample data ≥ CRQL.

(NOTE: Replace "*" with "J" or "R" as appropriate.)

A.1.18.4.2 When the sample and/or duplicate value < 5xCRQL (substitute MDL for CRQL when MDL > CRQL), is the absolute difference between sample and duplicate values:

> ± CRQL?	___	[]	✓
> ± 2xCRQL?	___	[]	✓

ACTION:

If the absolute difference is > CRQL, flag as estimated all the associated sample results ≥ MDL but < 5xCRQL as "J" and non-detects as "UJ". If the absolute difference is > 2xCRQL, reject (R) and red-line all the associated non-detects and detects ≥ MDL but < 5xCRQL.

NOTE:

1. Replace "*" with "J", "UJ" or "R" as appropriate.)
2. If one value is > CRQL and the other value is non-detect, calculate the absolute difference between the value > CRQL and the MDL, and use this difference to qualify sample results.

A.1.18.5 Soil/Sediment

A.1.18.5.1 When sample and duplicate values are both ≥ 5xCRQL (substitute MDL for CRQL when MDL > CRQL),

is any RPD ≥ 35% but < 120%?	___	[]	✓
is any RPD ≥ 120%?	___	[]	✓

ACTION:

If the RPD is ≥ 35% and < 120%, flag (J) as estimated the associated sample

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YES NO N/A

data \geq CRQL. If the RPD is \geq 120%, reject (R) and red-line the associated sample data \geq CRQL.

A.1.18.5.2 When the sample and/or duplicate value $< 5 \times \text{CRQL}$ (substitute MDL for CRQL when MDL $>$ CRQL), is the absolute difference between sample and duplicate:

$> \pm 2 \times \text{CRQL}?$	<u> </u>	<u>[]</u>	<u> </u>
$> \pm 4 \times \text{CRQL}$	<u> </u>	<u>[]</u>	<u> </u>

ACTION:

If the absolute difference is $> 2 \times \text{CRQL}$, flag all the associated sample results \geq MDL but $< 5 \times \text{CRQL}$ as "J" and non-detects as "UJ". If the absolute difference is $> 4 \times \text{CRQL}$, reject (R) and red-line all the associated non-detects and detects \geq MDL but $< 5 \times \text{CRQL}$.

NOTE:

1. Replace "*" with "J", "UJ" or "R" as appropriate.)
2. If one value is $> \text{CRQL}$ and the other value is non-detect, calculate the absolute difference between the value $> \text{CRQL}$ and the MDL, and use this difference to qualify sample results.

A.1.19 Field Duplicates

Aqueous Field Duplicates

A.1.19.1 Was an aqueous Field Duplicate pair collected and analyzed?
(Check Sampling Trip Report)

[]

ACTION:

If yes, prepare a Form (Appendix A.4) for each aqueous Field Duplicate pair. Report the sample and Field Duplicate results on Appendix A.4 from their respective Form I's. Calculate and report RPD on Appendix A.4 when sample and its Field Duplicate values are both $> 5 \times \text{CRQL}$. Calculate and report the absolute difference on Appendix A.4 when at least one value (sample or duplicate) is $< 5 \times \text{CRQL}$. Evaluate the aqueous Field Duplicate analysis in accordance with the

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YES NO N/A

QC criteria stated in Sections A.1.19.2 and A.1.19.3.

NOTE:

1. Do not transfer "*" from Form I's to Appendix A.4.
2. Do not calculate RPD when both values are non-detects.
3. Substitute MDL for CRQL when MDL > CRQL.
4. If one value is >CRQL and the other value is non-detect, calculate the absolute difference between the value > CRQL and the MDL, and use this the criteria to qualify the results.

A.1.19.2 Circle all values on the Form (Appendix A.4)
for Field Duplicates that have:

RPD \geq 20% or

Difference $> \pm$ CRQL

When sample and duplicate values are
both $\geq 5 \times \text{CRQL}$ (substitute MDL for CRQL when
MDL > CRQL),

is any RPD \geq 20%?

—

[]

✓

is any RPD \geq 100%?

—

[]

✓

ACTION:

If the RPD is >20% but < 100%, flag (J) only
the associated sample and its Field Duplicate
results \geq CRQL. If the RPD is \geq 100%, reject (R)
and red-line only the associated sample and its
Field Duplicate result \geq CRQL.

A.1.19.3 When the sample and/or duplicate value(s)
< $5 \times \text{CRQL}$ (substitute MDL for CRQL when MDL > CRQL),
is the absolute difference between sample
and duplicate:

> \pm CRQL?

—

[]

✓

> $\pm 2 \times \text{CRQL}$?

—

[]

✓

ACTION:

If the absolute difference is > CRQL,
flag detects \geq MDL but < $5 \times \text{CRQL}$ as "J"
and non-detects as "UJ". If the difference
is > $2 \times \text{CRQL}$, reject (R) and red-line non-detects

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YES NO N/A

and results \geq MDL but $< 5 \times \text{CRQL}$ of the sample
and its Field Duplicate.

Soil/Sediment Field Duplicates

- A.1.19.4 Was a soil field duplicate pair
collected and analyzed?
(Check Sampling Trip Report)

☒ ☐ ☐

ACTION:

If yes, for each soil Field Duplicate
pair proceed as follows:

Prepare Appendix A.4 for each Field Duplicate
pair. Report on Appendix A.4 all sample and its
Field Duplicate results in MG/KG from their
respective Form I's. Calculate and report RPD when
sample and its duplicate values are both greater
than $5 \times \text{CRQL}$. Calculate and report the
absolute difference when at least one value
(sample or duplicate) is $< 5 \times \text{CRQL}$. Evaluate the
Field Duplicate analysis in accordance with the
QC Criteria stated in Sections A.1.19.5 and A.1.19.6.

NOTE:

1. Do not transfer "*" from Form I's to Appendix A.4.
2. Do not calculate RPD when both values are non-detects.
3. Substitute MDL for CRQL when $\text{MDL} > \text{CRQL}$.
4. If one value is $> \text{CRQL}$ and the other
value is non-detect, calculate the
absolute difference between the
value $> \text{CRQL}$ and the MDL, and apply
the criteria to qualify the results.

- A.1.19.5 Circle on each Appendix A.4 all
values that have:

$\text{RPD} \geq 35\%$, or Difference $> \pm 2 \times \text{CRQL}$
When sample and duplicate values
are both $\geq 5 \times \text{CRQL}$ (substitute MDL for
 CRQL when $\text{MDL} > \text{CRQL}$),

~~is any RPD $\geq 35\%$ but $< 120\%$?~~

☐ ☐ ☒

is any RPD $\geq 120\%$?

100%

☐ ☒ ☐

ACTION:

If the RPD is $\geq 35\%$ but $< 120\%$,

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YES NO N/A

flag only the associated sample
and its Field Duplicate results
 \geq CRQL as "J". If the RPD is \geq 120%,
reject (R) and red-line only the sample
and its Field Duplicate results \geq CRQL.

A.1.19.6 When the sample and/or duplicate value(s)
 $< 5 \times \text{CRQL}$ (substitute MDL for CRQL when MDL $>$ CRQL),
is the absolute difference between sample
and Field Duplicate:

$> \pm 2 \times \text{CRQL}$?

~~$> \pm 4 \times \text{CRQL}$?~~

ACTION:

If the absolute difference is $> 2 \times \text{CRQL}$, flag
Sample and its Field Duplicate results \geq MDL
but $< 5 \times \text{CRQL}$ as "J" and non-detects as "UJ".
If the difference is $> 4 \times \text{CRQL}$, reject (R) and
red-line non-detects and detects \geq MDL but
 $< 5 \times \text{CRQL}$ of the sample and its Field Duplicate.

A.1.20 Laboratory Control Sample (LCS)- Form VII

A.1.20.1 Was one LCS prepared and analyzed for:

Each SDG?

Each matrix type?

Each batch samples digested/distilled?
For each Method (ICP-AES, ICP-MS, Hg, CN)
used?

Was an LCS prepared and analyzed with
the samples?

ACTION:

If no for any of the above, prepare
Telephone Record Log and contact
CLP PO or TOPO for submittal of the
LCS results. Flag (J) as estimated all
the data for which an LCS was not
analyzed.

NOTE:

If only one LCS was analyzed for

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more than 20 samples, then the first
20 samples analyzed are not flagged(J),
but all additional samples must be
qualified (J).

YES NO N/A

A.1.20.2 Aqueous LCS

Circle on each Form VII the LCS percent
recoveries outside control limits 80-120%.

NOTE: 1. Use digested ICV as LCS for aqueous mercury
2. Use distilled ICV as LCS for aqueous cyanide

Is any LCS recovery:

Less than 50%?

— [☒] —

Between 50% and 79%?

— [☒] —

Between 121% and 150%?

— [☒] —

Greater than 150%?

— [☒] —

ACTION:

If the LCS recovery is less than 50%,
reject (R) and red-line all associated
sample data (detects & non-detects); for
a recovery between 50-79%, flag detects
as "J" all non-detects as "UJ". if the LCS
recovery is between 121-150%, flag only
detects as "J". if the recovery is greater
than 150%, reject (R) and red-line all detects.

A.1.20.3 Solid LCS

If an analyte's MDL is equal to or
greater than the true value of LCS,
disregard the "Action" below for that
analyte even though the LCS is out of
control limits.

Is the LCS "Found" value greater
than the Upper Control Limit
reported on Form VII?

— [☒] —

ACTION:

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If yes, flag (J) all the associated
detects \geq MDL as estimated (J).

YES NO N/A

Is the LCS "Found" value lower
than the Lower Control Limit
reported on Form VII?

— [/] —

ACTION:

If yes, flag detects as "J" and
non-detects as "UJ".

A.1.21 ICP-AES/ICP-MS Serial Dilution - Form VIII

NOTE: Serial dilution analysis is required only
when the initial concentration is equal to or
greater than 50 x MDL.

A.1.21.1 Was a Serial Dilution analysis
performed:

For each SDG?

[/] — —

On one of the SDG samples?

[/] — —

For each matrix type?

[/] — —

For each concentration range
(low or med.)?

[/] — —

Was a Serial Dilution sample
analyzed with the SDG samples?

[/] — —

ACTION:

If no for any of the above, flag
as estimated (J) detects \geq MDL of
all the SDG samples for which the
ICP Serial Dilution Analysis was
not performed.

A.1.21.2 Was a Field Blank or PE sample used
for the Serial Dilution Analysis?

— [/] —

ACTION:

If yes, flag as estimated (J) detects
 \geq MDL of all the SDG samples

A.1.21.3 Circle on Form VIII the Percent Differences
(%D) between sample results and its dilution
results that are outside the control limits $\pm 10\%$

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when initial concentrations $\geq 50 \times$ MDLs.

YES NO N/A

Are results outside the control limits flagged with an "E" (Lab Qualifier) on Form VIII and all Form I's?

☐ ☒ ☐

ACTION:

If no, write in the Contract-Problem/Non-Compliance Section of the Data Review Narrative.

A.1.21.4 Are any %D values:

> 10%?

☒ ☐ ☐

$\geq 100\%$?

☐ ☒ ☐

ACTION:

If the Percent Difference (%D) is greater than 10%, flag (J) as estimated all associated samples whose raw data \geq MDL; if the %D is $\geq 100\%$, reject (R) and red-line all associated samples with raw data \geq MDL.

(NOTE: Replace "E" with "J" or "R" as appropriate.)

A.1.22 Total/Dissolved or Inorganic/Total Analytes

A.1.22.1 Were any analyses performed for dissolved as well as total analytes on the same sample(s)?

☐ ☒ ☐

Were any analyses performed for inorganic as well as total analytes on the same sample(s)?

☐ ☒ ☐

ACTION:

If yes, prepare a Form (Appendix A.5) to compare the differences between dissolved (or inorganic) and total analyte concentrations. Compute each difference on Appendix A.5 as a percent of the total analyte only when both of the following conditions are fulfilled:

- (1) The dissolved (or inorganic) concentration is greater than total concentration, and
- (2) greater than or equal to $5 \times$ MDL.

A.1.22.2 Is any dissolved (or inorganic) concentration greater than its total concentration by more than 20%?

☐ ☐ ☒

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YES NO N/A

A.1.22.3 Is any dissolved (or inorganic)
concentration greater than its
total concentration by more than 50%?

— [] ☒

ACTION:

If the percent difference is greater than 20%, flag (J) both dissolved/inorganic and total concentrations as estimated. If the difference is more than 50%, reject (R) and red-line both the values.

A.1.23 Field Blank - Form I

NOTE: Designate "Field Blank" as such on Form I

A.1.23.1 Was a Field/Rinsate Blank collected
and analyzed with the SDG samples?

☒ — —

If yes, is any Field/Rinsate Blank absolute value of an analyte on Form I greater than its CRQL (or 2xMDL when MDL > CRQL)?

— ☒ —

If yes, circle the Field Blank value on Form I that is greater than the CRQL, (or 2 x MDL when MDL > CRQL).

Is any Field Blank value greater than CRQL also greater than the Preparation Blank value?

— [] ☒

If yes, is the Field Blank value (> CRQL and > the prep. blank value) already rejected due to other QC criteria?

[] — ☒

ACTION:

If the Field Blank value was not rejected, reject all associated sample data (except the Field Blank results) greater than the CRQL but less than the Field Blank value. Reject on Form I's the soil sample results whose raw values in ug/L in the instrument printout are greater than the CRQL but less than the Field Blank value in ug/L. Flag as "J" detects between the Field Blank value and 10xField Blank value. If the sample result \geq MDL but \leq CRQL, replace it with CRQL-U.

If the Field Blank value is less than the

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YES NO N/A

Prep. Blank value, do not qualify the sample results due to the Field Blank criteria.

NOTE:

1. Field Blank result previously rejected due to other criteria cannot be used to qualify field samples.
2. Do not use Rinsate Blank associated with soils to qualify water samples and vice versa.

A.1.24 Verification of Instrumental Parameters - Form IX, XA, XB, XI

A.1.24.1 Is verification report present for:

Method Detection Limits (Form IX-Annually)?

[☒]

ICP-AES Interelement Correction Factors
(Form XA & XB -Quarterly)?

[☒]

ICP-AES & ICP-MS Linear Ranges
(Form XI-Quarterly)?

[☒]

ACTION:

If no, contact CLP PO/TOPO for submittal from the laboratory.

A.1.24.2 Method Detection Limits - Form IX

A.1.24.2.1 Are MDLs present on Form IX for:

All the analytes?

[☒]

All the instruments used?

[☒]

Digested and undigested
samples and Calib.Blanks?

[☒]

ICP-AES and ICP-MS when both
instruments are used for the
same analyte?

[☐]

ACTION:

If no for any of the above, prepare Telephone Record Log and contact CLP PO/TOPO for submittal of the MDLs from the laboratory. Report to CLP PO and write in the Contract Problems/Non-Compliance Section of the Data Review Narrative if the MDL concentration is not less than ½ CRQL.

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	<u>YES</u>	<u>NO</u>	<u>N/A</u>
A.1.24.2.2 Is MDL greater than the CRQL for any analyte?	—	[✓]	—

If yes, is the analyte concentration on Form I greater than 5 x MDL for the sample analyzed on the instrument whose MDL exceeds CRQL?

[]	—	✓
-----	---	---

ACTION:

If no, flag as estimated (J) all values less than five times MDL for the analyte whose MDL exceeds the CRQL.

A.1.24.3 Linear Ranges - Form XI

A.1.24.3.1 Was any sample result higher than the high linear range for ICP-AES or ICP-MS?

—	[✓]	—
---	-----	---

Was any sample result higher than the highest calibration standard for mercury or cyanide?

—	[✓]	—
---	-----	---

If yes for any of the above, was the sample diluted to obtain the result reported on Form I?

[]	—	✓
-----	---	---

ACTION:

If no, flag (J) as estimated the affected detects (\geq MDL) reported on Form I.

A.1.25 ICP-MS Tune Analysis - Form XIV

A.1.25.1 Was the ICP-MS instrument tuned prior to calibration?

[]	—	✓
-----	---	---

ACTION:

If no, reject (R) and red-line all sample data for which tuning was not performed.

A.1.25.2 Was the tuning solution analyzed or scanned at least five times consecutively?

[]	—	✓
-----	---	---

Were all the required isotopes spanning the analytical range present in the tuning solution?

[]	—	✓
-----	---	---

Was the mass resolution within

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	<u>YES</u>	<u>NO</u>	<u>N/A</u>
0.1 amu for each isotope in the tuning solution?	[]	—	✓
Was %RSD less than 5% for each isotope of each analyte in the tuning solution?	[]	—	✓

ACTION:

If no for any of the above, qualify all results \geq MDL associated with that Tune as estimated "J", and all non-detects associated with that Tune as "UJ".

A.1.26 ICP-MS Internal Standards - Form XV

A.1.26.1 Were the Internal Standards added to all the samples and all QC samples and calibration standards (except the Tuning Solution)?	[]	—	✓
--	-----	---	---

Were all the target analyte masses bracketed by the masses of the five internal standards?	[]	—	✓
--	-----	---	---

ACTION:

If none of the Internal Standards was added to the samples, reject (R) and red-line all the associated sample data (detects & non-detects). If internal standards were used but did not cover all the analyte masses, reject (R) and red-line only the analyte results not bracketed by the internal standard masses.

A.1.26.2 Was the intensity of an Internal Standard in each sample within 60-125% of the intensity of the same Internal Standard in the calibration blank?	[]	—	✓
---	-----	---	---

If no, was the original sample diluted two fold, Internal Standard added and the sample re-analyzed?	[]	—	✓
--	-----	---	---

Was the %RI for the two fold diluted sample within the acceptance limits (60-125%)?	[]	—	✓
---	-----	---	---

ACTION:

If no for any of the above, flag detects as "J" and non-detects "UJ" of all the analytes with atomic masses between the atomic mass of the internal standard lighter

than the affected internal standard, and the
atomic mass of the internal standard heavier
than the affected internal standard.

A.1.27 Percent Solids of Sediments

A.1.27.1 Are percent solids in sediment(s):

< 50%? _____ [✓] _____

ACTION:

If yes, qualify as estimated (J) all detects and
non-detects of a sample that has percent solids
less than 50%(i.e.,moisture content greater than 50%).

NOTE:

Flag(J) only the sample results
that were not previously flagged
due to other QC criteria.

Inorganic Data Review Narrative

Case# _____ Site: _____ Matrix: Soil _____
SDG# _____ Lab: _____ Water _____
Sampling Team: _____ Reviewer: _____ Other _____

A.2.1 Data Validation Flags:

The following flags may have been applied in red by the data validator and must
be considered by the data user.

- J - This flag indicates the result qualified as estimated
- R and Red-Line - A red-line drawn through a sample result indicates unusable value.
The red-lined data are known to contain significant errors based on
documented information and must not be used by the data user.
- U - This data validation qualifier is applied to sample results
≥ MDL when associated blank is contaminated
- Fully Usable Data - The results that do not carry "J" or "red-line" are fully
usable.

A.2.2 Laboratory Qualifiers:

The CLP laboratory applies a contractual qualifier on all

Glen Isle, NYSDEC, Project Number: RWI1401

Site: Glen Isle
Laboratory: Test America Buffalo, NY
Report No.: 480-53297-2
Reviewer: Christina Rink and Josephine Go /Laboratory Data Consultants for RXR
Glen Isle Partners, LLC
Date: March 25, 2014

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
LT-C-001 (0-2')**	480-53297-1	PCBs
LT-C-001 (4-6')	480-53297-2	PCBs
LT-C-001 (6-8')	480-53297-3	PCBs
LT-XC-004 (0-2')	480-53297-4	PCBs
LT-XC-004 (2-4')	480-53297-5	PCBs
LT-XC-004 (8-10')	480-53297-6	PCBs

Associated QC Samples(s):

Field/Trip Blanks: None Associated
Field Duplicate pair: None Associated

The above-listed soil samples were collected on January 13, 2014 and were analyzed for polychlorinated biphenyls by SW-846 method 8082A. The data validation was performed in accordance with the *USEPA Region II Functional Guidelines for Evaluating Organic Analyses* (September 2006) and the *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA 540-R-08-01* (June 2008), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Field Duplicate Results
- Moisture Content
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers.

Samples indicated by a double asterisk on the front cover underwent Category B review. A Category A review was performed on all of the other samples. Calibration and raw data were not evaluated for the samples reviewed by Category A criteria since this review is based on QC data.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

Initial and Continuing Calibrations

All criteria were met. Initial and continuing calibrations were not reviewed for samples reviewed by Category A criteria.

Blanks

Contamination was not detected in the method blanks.

A field blank was not associated with this sample set. Validation action was not required on this basis.

Surrogate Recoveries

All criteria were met

MS/MSD Results

MS/MSD analyses were not performed for the PCBs analyses.

LCS Results

All criteria were met.

Moisture Content

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

Quantitation Limits and Data Assessment

No results were reported below the reporting limit (RL).

Dilutions were not required for PCBs analyses.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

- U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.
- J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.
- UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.
- JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.
- R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 31445E3b
SDG #: 480-53297-2
Laboratory: Test America, Inc.

VALIDATION COMPLETENESS WORKSHEET

Cat A/Cat B

Date: 3/20/14
Page: 1 of 1
Reviewer: JVG
2nd Reviewer: CV

METHOD: GC Polychlorinated Biphenyls (EPA SW 846 Method 8082A)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 1/13/14
II.	GC Instrument Performance Check	N	Not reviewed for Cat A review.
III.	Initial calibration	A	Not reviewed for Cat A review. % RSD ≤ 20%
IV.	Continuing calibration/ICV	A	Not reviewed for Cat A review. CV ≤ 20%
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	CS
VIII.	Laboratory control samples	A	LCS
IX.	Regional quality assurance and quality control	N	
X.	Florisil cartridge check	N	
XI.	GPC Calibration	N	
XII.	Target compound identification	A	Not reviewed for Cat A review.
XIII.	Compound quantitation/RL/LOQ/LODs	A	Not reviewed for Cat A review. (A11ND)
XIV.	Overall assessment of data	A	
XV.	Field duplicates	N	
XVI.	Field blanks	N	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

Validated Samples: ** Indicates sample underwent Cat B review.

Soil

1	LT-C-001 (0-2')	**	11	MB 480-167538/1-A	31
2	LT-C-001 (4-6')		12		32
3	LT-C-001 (6-8')		13		33
4	LT-XC-004 (0-2')		14		34
5	LT-XC-004 (2-4')		15		35
6	LT-XC-004 (8-10')		16		36
7			17		37
8			18		38
9			19		39
10			20		40

Notes: prep Act: 2/25/14

LDC #: 31445E3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: α

METHOD: GC PCBs (EPA SW 846 Method 8082A)

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

CF = A/C

average CF = sum of the CF/number of standards

%RSD = 100 * (S/X)

Where:

A = Area of compound

C = Concentration of compound

S = Standard deviation of calibration factors

X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (1.0 std)	Recalculated CF (1.0 std)	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
1	ICAL HP6890-7	12/3/2013	1260-1 (Chan A)	581146.0	581146.0	599004.6	599004.6	8.8	8.8
			1260-1 (Chan B)	1165805.0	1113465.0	1161077.4	1161077.4	4.3	4.3

LDC # 31445E3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Page: 1 of 1
Reviewer: JVG
2nd Reviewer: OL

METHOD: GC PCBs (EPA SW 846 Method 8082A)

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration percent difference (%D) values were recalculated for the compounds identified below using the following calculation:

Percent difference (%D) = $100 * (N - C) / N$

Where: N = Initial Calibration Factor or Nominal Amount

C = Calibration Factor from Continuing Calibration Standard or Calculated Amount

#	Standard ID	Calibration Date	Compound	Conc	Reported Conc (CCV)	Recalculated Conc (CCV)	Reported % D	Recalculated %D
1	7_317_095	2/26/2014	1260-1 (Chan A)	0.5000	0.4614	0.4614	7.7	7.7
			1260-1 (Chan B)	0.5000	0.4475	0.4475	10	10
2	7_317_107	2/26/2014	1260-1 (Chan A)	0.5000	0.4660	0.4660	6.8	6.8
			1260-1 (Chan B)	0.5000	0.4563	0.4563	8.7	8.7

LDC #: 31445 E3b**VALIDATION FINDINGS WORKSHEET**
Surrogate Results VerificationPage: 1 of 1Reviewer: JVG2nd reviewer: ca**METHOD:** GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: $SF/SS \times 100$ Where: SF = Surrogate Found
SS = Surrogate SpikedSample ID: # 1

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene	<u>ZB-5</u>	<u>0.02</u>	<u>0.0249</u>	<u>125</u>	<u>125</u>	<u>9</u>
Decachlorobiphenyl	<u>1</u>	<u>1</u>	<u>0.0225</u>	<u>112</u>	<u>112</u>	<u>1</u>
Decachlorobiphenyl						

Sample ID: _____

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Sample ID: _____

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Sample ID: _____

Surrogate	Column	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
Tetrachloro-m-xylene						
Tetrachloro-m-xylene						
Decachlorobiphenyl						
Decachlorobiphenyl						

Notes: _____

LDC #: 31445 E3b

VALIDATION FINDINGS WORKSHEET

Page: 1 of 1Laboratory Control Sample/Laboratory Control Sample Duplicate Results VerificationReviewer: JVG2nd Reviewer: 9**METHOD:** GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)

The percent recoveries (%R) and Relative Percent difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = $100 * (SSC - SC) / SA$

Where: SSC = Spiked sample concentration
SA = Spike added

SC = Concentration

RPD = $|LCS - LCSD| * 2 / (LCS + LCSD)$

LCS = Laboratory control sample percent recovery

LCSD = Laboratory control sample duplicate percent recovery

LCS/LCSD samples: LC 480 - 167535 / 2-A

Compound	Spike Added (mg/kg)		Spiked Sample Concentration (mg/kg)		LCS		LCSD		LCS/LCSD	
					Percent Recovery		Percent Recovery		RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
gamma-BHC										
4,4'-DDT										
Aroclor 1260	2.14	NA	2.88	NA	135	135				

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 31445 E3b**VALIDATION FINDINGS WORKSHEET**
Sample Calculation VerificationPage: 1 of 1Reviewer: JVG2nd reviewer: *an***METHOD:** GC Pesticides/PCBs (EPA SW 846 Method 8081/8082)Y N N/A
Y N N/A

Were all reported results recalculated and verified for all level IV samples?

Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

Example:

Sample I.D. MD
LCS 1260

$$1260-1 \text{ Conc.} = \frac{(443614)}{(59900457)}$$

$$= 0.7406$$

$$1260 \text{ Total} = \frac{0.7406 + 0.7016 + 0.6568 + 0.5948}{4}$$

$$= 0.6735$$

$$\text{final conc.} = \frac{(0.6735)(10 \text{ ml})}{(2.34 \text{ g})}$$

$$= 2.878$$

$$\approx 2.88 \text{ mg/kg}$$

#	Sample ID	Compound	Reported Concentration (mg/kg)	Calculated Concentration ()	Qualification
			2.88		

Note: _____

Yes NO N/A

PACKAGE COMPLETENESS AND DELIVERABLES

CASE NUMBER: 31445 E 3b SDG# 486-53297-2
LAB: Test America Buffalo SITE: Glen Isle

1.0 Data Completeness and Deliverables

1.1 Has all the data been submitted in CLP deliverable format?

☒ — —

1.2 Have any missing deliverables been received and added to the data package?

☒ — —

ACTION: Call lab for explanation/resubmittal of any missing deliverables. If lab cannot provide them, note the effect on review of the data in the reviewer narrative.

2.0 Cover Letter, SDG Narrative

2.1 Is a laboratory narrative or cover letter present?

☒ — —

2.2 Are the case number and/or SDG number contained in the narrative or cover letter?

☒ — —

3.0 Data Validation Checklist

3.1 Does this data package contain:

Water data?

— ☒ —

Waste data?

— ☒ —

Soil/solid data?

☒ — —

POLYCHLORINATED BIPHENYLS

1.0 Traffic Reports and Laboratory Narrative

1.1 Are traffic report and chain-of-custody forms present for all samples?

☒ — —

Yes NO N/A

ACTION: If no, contact lab for replacement of missing or illegible copies.

1.2 Do the traffic reports, chain-of-custody forms or SDG narrative indicate any problems with sample receipt, condition of the samples, analytical problems or special circumstances affecting the quality of the data?

— [] —

ACTION: If any sample analyzed as a soil, other than TCLP, contains 50%-90% water, all data should be qualified as estimated, "J." If a soil sample, other than TCLP, contains more than 90% water, non detects shall be qualified as unusable, "R."

ACTION: If samples were not iced or if the ice was melted upon arrival at the laboratory and the temperature of the cooler was elevated (> 10° C), flag all positive results "J" and all non-detects "UJ".

2.0 Holding Times

2.1 Have any PCB technical holding times, determined from date of collection to date of extraction, been exceeded? (No. HT)

— [X] —

Water and waste samples for PCB analysis must be extracted within 7 days of the date of collection. Extracts must be analyzed within 40 days of the date of extraction. Soils and solid samples must be extracted within 14 days of collection and analyzed within 40 days of extraction.

ACTION: If technical holding times are exceeded, flag all positive results as estimated, "J," and sample quantitation limits "UJ" and document in the narrative that holding times were exceeded. If analyses were done more than 14 days beyond holding time, either on the first analysis or upon re-analysis, the reviewer must use professional judgement to determine the reliability of the data and the effects of additional storage on the sample results. At a minimum, all the data should at least be

Yes NO N/A

qualified "J", but the reviewer may determine that non-detects are unusable, "R." (Table 1)

Table 1. Holding Time Criteria

Matrix	Preserved	Criteria	Action	
			Detected compounds	Non-detected compounds
Aqueous	No	≤ 7 days(extraction) ≤ 40 days(analysis)	J*	UJ*
	No	> 7 days(extraction) > 40 days(analysis)	J	UJ
	Yes	≤ 7 days(extraction) ≤ 40 days(analysis)	No qualification	
	Yes	> 7 days(extraction) > 40 days(analysis)	J	UJ
	Yes/No	> 28 days (gross exceedance)	J	R
Non-aqueous	No	≤ 14 days(extraction) ≤ 40 days (analysis)	J*	UJ*
	No	> 14 days(extraction) > 40 days(analysis)	J	UJ
	Yes	≤ 14 days(extraction) ≤ 40 days(analysis)	No qualification	
	Yes	> 14 days(extraction) > 40 days(analysis)	J	UJ
	Yes/No	> 28 days(gross exceedance)	J	R

* only if cooler temperature exceeds 10°C; no action required if cooler temperature < 10°C.

3.0 Surrogate Recovery (Form II/Equivalent)

3.1 Were the recoveries of tetrachloro-m-xylene (TCMX) and decachlorobiphenyl (DCB) presented on CLP Surrogate Recovery Summary forms (Form II), or equivalent, for each of the following matrices?

a. Water/Waste

11 — /

Yes ~~NO~~ N/A

b. Soil/Solid

☒ ☐ ☐

3.2 Are all the PCB samples listed on the appropriate surrogate recovery form for each of the following matrices?

a. Water

☐ ☐ ☒

b. Waste

☐ ☐ ☒

c. Soil/Solid

☒ ☐ ☐

ACTION: Call lab for explanation/resubmittals.
If missing deliverables are unavailable,
document the effect in the data assessment.

3.3 Are all recovery limits for the surrogates TCMX and DCB between 30-150% for all samples, including MS and MSDs, LCSs and all blanks?

☒ ☐ ☐

Note: Reviewer shall use lab in-house recovery limits, if available. In-house criteria should be examined for reasonableness.

ACTION: Circle all outliers in red. Follow surrogate criteria, Table 2.

Note: DCB is used when PCBs are determined as Aroclors. DCB is the internal standard when determining PCB congeners and TCMX the surrogate.

3.4 Were surrogate retention times (RT) within the windows established during the initial 5-point analysis?

☒ ☐ ☐

ACTION: Follow surrogate criteria, Table 2.

Table 2. Surrogate Recovery Criteria

Criteria	Action	
	Detected Target Compounds	Non-detected Target Compounds
%R > 200%	J	Use professional judgement

Yes NO N/A

150% < %R ≤ 200%	J	No qualification
30% ≤ %R ≤ 150%	No qualification	
10% ≤ %R < 30%	J	UJ
%R < 10% (sample dilution not a factor)	J	R
%R < 10% (sample dilution is a factor)	Use professional judgement	
RT out of RT window	Use professional judgement	
RT within RT window	No qualification	

3.6 Are there any transcription/calculation errors between raw data and Form II?

☒ ☐ ☐

ACTION: If large errors exist, call lab for explanation/resubmittal. Make any necessary corrections and document the effect in data assessments.

4.0 Laboratory Control Sample (LCS)

4.1 Are raw data and percent recoveries present for all Laboratory Control samples as required by Method 8000B (section 8.5) and Method 8082A (section 8.4.2)?

☒ ☐ ☐

Verify that QC check samples were extracted and analyzed by the same procedures used for the actual samples.

ACTION: If any Laboratory Control Sample data are missing, call the lab for explanation/resubmittals. Make note in the data assessment.

NOTE: For aqueous samples, an additional QC check sample must be prepared and analyzed when any analyte in a matrix spike fails the required acceptance criteria (see section 5.3 below).

Yes NO N/A

The additional QC check sample must contain each analyte that failed in the MS analysis.

Note: When the results for matrix spike analysis indicates a problem due to sample matrix effects, the LCS results are used to verify the laboratory can perform the analysis in a clean sample.

4.2 Were Laboratory Control Samples analyzed at the required concentration as specified in Method 8000B(sec 8.5) for all analytes as specified in Table 3.

☒ ☐ ☐

Note: Use lab in-house criteria, if available.

ACTION: If Laboratory Control Samples were not analyzed at the required concentration or the required frequency, make note in the data assessment and use professional judgement to determined the affect on the data.

4.3 Were the LCS recoveries within the percent recoveries as specified in ~~Table 3~~. lab limits.

☒ ☐ ☐

Table 3. LCS Criteria

Compound	% Recovery
Aroclor 1016	50-150
Aroclor 1260	50-150
Tetrachloro-m-xylene (surrogate)	30-150
decachlorobiphenyl (surrogate)	30-150

4.4 If no, were Laboratory Control Samples re-analyzed?

☐ ☐ ☒

ACTION: If QC check samples were not re-analyzed, or a general system problem is indicated by repeated failure to meet the QC acceptance criteria specified in the method, make note in the data assessment and use Table 4 recovery actions criteria.

Yes NO N/A

Table 4. LCS Recovery Actions

Criteria	Action	
	Detected Associated Compounds	Non-Detected Compounds
%R > Upper Acceptance Limit	J	No qualification
%R < Lower Acceptance Limit	J	R
Lower Acceptance Limit \leq %R \leq Upper Acceptance Limit	No qualifications	

5.0 Matrix Spikes (Form III/Equivalent)

- 5.1 Are all data for one matrix spike and matrix duplicate (unspiked) pair (MS/Dup) or matrix spike/matrix spike duplicate (MS/MSD) present and complete for each matrix (Method 8082A Section 8.4.1)? 11

NOTE: For soil and waste samples showing detectable amounts of target analytes, the lab may substitute replicate samples in place of the matrix spike (see Method 8000B-40, section 8.5.3).

- 5.2 Have MS/Dup or MS/MSD results been summarized on modified CLP Form III? 11

ACTION: If any data are missing take action as specified in section 3.2 above.

- 5.3 Were matrix spikes analyzed at the required frequency for each of the following matrices? (One MS/Dup, MS/MSD must be performed for every 20 samples of similar matrix or concentration level. Laboratories analyzing one to ten samples per month are required to analyze at least one MS per month (Method 8000B-39 (section 8.5)).

a. Water 11

b. Waste

Yes NO N/A

☐ ☐ ☒

c. Soil/Solid

☐ ☐ ☒

ACTION: If any MS/Dup or MS/MSD data are missing,
take the action specified in 3.2 above.

- 5.4 Were Laboratory Control Samples analyzed
for all analytes as specified in Table 5,
or did the lab use the optional QC acceptance
criteria i.e., in-house criteria?

☒ ☐ ☐

List the criteria used and make note in
data assessment.

Criteria used _____

Table 5. MS/MSD Criteria

Compound	Percent Recovery QC Limits	RPD
Aroclor 1016	29-135	0-15
Aroclor 1260	29-135	0-20

- 5.5 Was the matrix spike prepared at the proper spike
concentration? (Method 8000B, section 8.5.1-8.5.2)

☐ ☐ ☒

For aqueous organic extractable, the spike concentration
should be prepared according options in: Method 8000B-40,
(section 8.5.1 and 8.5.2).

- 5.6 Were the matrix spike and matrix spike duplicate recovery and RPD
limits met as specified in Table 5. Note: No qualification of the
data is necessary on MS and MSD data alone. Use professional
judgement to use the MS and MSD results in conjunction with other
QC criteria to determine the need for some qualification of the
data. If any MS and MSD, percent recovery, or RPD results in the
Arcolor fraction is out of specification (Table 5), qualify data
to include the consideration of the existence interference in the
raw data. In some instances it may be determined that only the
replicate or spiked samples are affected. Alternatively, the
data may suggest that the laboratory is having a systematic
problem with one or more analytes, thereby affecting all
associated samples. Use professional judgement to determine the
need for qualifications of detects of non-spiked compounds.

Yes NO N/A

☒ ☐ ☐

Table 6. MS/MSD Actions for Analysis

Criteria	Action	
	Detected Associated Compounds	Non-Detected Compounds
%R or RPD > Upper Acceptance Limit	J	No qualification
20% ≤ %R < Lower Acceptance Limit	J	UJ
%R < 20%	J	Use professional judgement
Lower Acceptance Limit ≤ %R ≤ Upper Acceptance Limit	No qualifications	

6.0 Blanks (Form IV/Equivalent)

6.1 Was reagent blank data reported on CLP equivalent Method Blank Summary form(s) (Form IV)?

☒ ☐ ☐

6.2 Frequency of Analysis: Has a reagent blank been analyzed for every 20 (or less) samples of similar matrix or concentration or each extraction batch?

☒ ☐ ☐

Note: Method blank should be analyzed, either after the calibration standard or at any time during the analytical shift.

ACTION: If any blank data are missing, take action as specified above (section 3.2) . If blank data is not available, reject (R) all associated positive data. However, using professional judgement, the data reviewer may substitute field blank data for missing method blank data.

6.3 Chromatography: review the blank raw data - chromatograms, quant reports or data system

Yes NO N/A

printouts.

Is the chromatographic performance (baseline stability) for each instrument acceptable for PCBs?

☒ ☐ ☐

7.0 Contamination

NOTE: "Water blanks", "distilled water blanks" and "drilling water blanks" are validated like any other sample and are not used to qualify the data. Do not confuse them with the other QC blanks discussed below.

7.1 Do any method/instrument/reagent/cleanup blanks have positive results for PCBs? When applied as described below, the contaminant concentration in these blanks are multiplied by the sample Dilution Factor and corrected for % moisture when necessary.

☐ ☒ ☐

7.2 Do any field/rinse blanks have positive PCB results?

☐ ☐ ☒

ACTION: Prepare a list of the samples associated with each of the contaminated blanks. (Attach a separate sheet.)

NOTE: All field blank results associated to a particular group of samples (may exceed one per case or one per day) may be used to qualify data. Blanks may not be qualified because of contamination in another blank. Field blanks must be qualified for surrogate, or calibration QC problems.

ACTION: Follow the directions in Table 7 below to qualify sample results due to contamination. Use the largest value from all the associated blanks.

Table 7. Blank Contamination Criteria

Blank Type	Blank Result	Sample Result	Action for Samples
------------	--------------	---------------	--------------------

Yes NO N/A

Method, Clean up, Instrument, Field	Detects	Not detected	No qualification
	< CRQL	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification
	> CRQL	< CRQL	Report CRQL value with a U
		≥ CRQL and < blank contamination	Report the concentration for the sample with a U
		≥ CRQL and ≥ blank contamination	No qualification
	= CRQL	< CRQL	Report CRQL value with a U
		≥ CRQL	No qualification
	Gross contamination	Detects	Qualify results as unusable R

Note: Analytes qualified "U" for blank contamination are treated as "hits" when qualifying for calibration criteria.

Note: When applied as described in Table 7 above, the contaminant concentration in the blank is multiplied by the sample dilution factor.

NOTE: If gross blank contamination exists (e.g., saturated peaks, "hump-o-grams," "junk" peaks), all affected positive compounds in the associated samples should be qualified as unusable "R", due to interference. Non-detected pesticide target compounds do not require qualification unless the contamination is so high that it interferes with the analyses of non-detected compounds.

7.3 Are there field/rinse/equipment blanks associated with every sample?

11 ☒

ACTION: For low level samples, note in data assessment that there is no associated field/rinse/equipment blank. Exception: samples taken from a drinking water tap do not have associated field blanks.

Yes NO N/A

8.0 Gas Chromatography with Electron Capture Detector (GC/ECD) Instrument Performance Check (CLP Form VI and Form VII Equivalent)

8.1 Was the proper gas chromatographic capillary column used for the analysis of PCBs? ☒ — —

Action: Check raw data, instrument logs, or contact the lab to determine what type of columns were used. (Method 8082, section 4.2)

8.2 Indicate the specific type of narrow bore or wide bore (.53 mm ID, fused silica GC columns, such as DB-608 and DB-1701 or equivalent).

column 1: _____

column 2: _____

ACTION: Note any changes to the suggested materials in section 8.1 above in the data assessment. Also note the impact (positive or negative) such changes have on the analytical results.

9.0 Calibration and GC Performance

9.1 Are the following Gas Chromatograms and Data Systems Printouts for both columns present for all samples, blanks, MS, replicates?

- | | |
|--|--|
| a. Samples | <input checked="" type="checkbox"/> — — |
| b. All blanks | <input checked="" type="checkbox"/> — — |
| c. Matrix spike samples | <input type="checkbox"/> <input checked="" type="checkbox"/> — — |
| d. 5 pt. initial calibration standards | <input checked="" type="checkbox"/> — — |
| e. calibration verification standards | <input checked="" type="checkbox"/> — — |
| f. Laboratory Control samples (LCS) | <input type="checkbox"/> <input checked="" type="checkbox"/> — — |

ACTION: If no, take action specified in 3.2 above.

9.2 Are data summary forms (containing calibration factors or response factors) for the initial 5

Yes NO N/A

pt. calibration and daily calibration verification
standards present and complete for each column
and each analytical sequence?

☒ ☐ ☐

Note: Calibration Aroclor mixtures other than 1016/1260
may be used (as per approved project QA plan)

NOTE: If internal standard calibration procedure is
used (Method 8000B-15 (section 7.4.2.2)), then
response factors must be used for %RSD
calculations and compound quantitation. If,
external standard calibration procedures are
used (Method 8000B-16 (section 7.4.2.1)),
then calibration factors must be used. The
internal standard approach is highly
recommended for PCB congener analysis.

ACTION: If any data are missing or it cannot be
determined how the laboratory calculated
calibration factors or response factors,
contact the lab for explanation/resubmittals.
Make necessary corrections and note any
problems in the data assessment.

9.3 Are there any transcription/calculation errors
between raw data and data summary forms?

☐ ☒ ☐

ACTION: If large errors exist, call lab for
explanation/resubmittal, make necessary
corrections and document the effect in data
assessments.

9.4 Are standard retention time (RT) windows for each
PCB peak of interest presented on modified CLP
summary forms?

☒ ☐ ☐

ACTION: If any data are missing, or it cannot be
determined how RT windows were calculated,
call the lab for explanation/resubmittals.
Note any problems in the data assessment.

NOTE: Retention time windows for all PCBs are
established using retention times from three
calibration standards analyzed during the
entire analytical sequence (Method 8000B,
section 7.6). Best results are obtained

Yes NO N/A

using retention times which span the entire sequence; i.e., using the calibration verification/continuing calibration standards analyzed every 12 hours.

- 9.5 Were RT windows on the confirmation column established using three standards as described above?

☒ — —

NOTE: RT windows for the confirmation column should be established using a 3 pt. calibration, preferably spanning the entire analytical sequence as described in 9.4 above. If RT windows on one column are tighter than the other, this may result in false negatives when attempting to identify compounds in the samples.

ACTION: Note potential problems, if any, in the data assessment.

- 9.6 Do all standard retention times in each level of the initial 5 pt. calibrations for PCBs fall within the windows established during the initial calibration sequence?

☒ — —

ACTION i: If no, all samples in the entire analytical sequence are potentially affected. Check to see if three standard spanning the entire sequence were used to obtained RT windows. If the lab used three standards from the 5 pt., RT windows may be too tight. If so, RT windows should be recalculated as per Method 8081B-15 (section 7.4.6).

- ii. Alternatively, check to see if the chromatograms contain peaks within an expanded window surrounding the expected retention times.

If no peaks are found and the surrogates are visible, non-detects are valid. If peaks are present but cannot be discerned through pattern recognition or by using revised RT windows, qualify all positive results and non-detects as unusable, "R".

- 9.7 Has the linearity criteria for the initial calibration standards been satisfied for both

Yes NO N/A

columns? (% RSD for the calibration factors (CFs)
for the three to five major peaks of each of the
Aroclor compounds must be < 20.0%).

☒ ☐ ☐

ACTION: If no, follow Table 8 criteria.

Table 8. Initial Calibration CF Action for Aroclor Analysis

Criteria	Action	
	Detected Associated Compounds	Non-Detected Associated Compounds
% RSD > 20%	J	UJ
% RSD within allowable limits	No qualifications	

9.8 Does the calibration verification/continuing calibration standard contain the PCB peaks of interest, analyzed on each working day, prior to sample analyses (Method 8082, sections 7.6.2)? ☒ ☐ ☐

9.9 Has a calibration verification/continuing calibration standard been analyzed after every 10 samples and at the end of each analytical sequence (Method 8082A, section 7.6.2). ☒ ☐ ☐

ACTION: If no, take action as specified in section 3.2 above.

9.10 Has the percent difference (%D) between the Calibration Factor (CF) of each of the three to five peaks used to identify the Aroclor in the CCV and the CF from these peaks in the initial calibration exceeded $\pm 15\%$ ~~20%~~? ☒ ☐ ☐

9.11 Has a new 5 pt. initial calibration curve been generated for those PCB analytes which failed in the calibration verification/continuing calibration standard (8000B, section 7.7.3), and all samples which followed the out-of-control

Yes NO N/A

calibration verification/standard continuing calibration
Standard? ☐ ☒ ☐

ACTION: If the %D for any analyte exceeded the $\pm 15\%$ criterion and the instrument was not recalibrated for those analytes, qualify positive results for all associated samples (those which followed the out-of-control standard) "J" and sample quantitation limits "UJ". (see Table 9)

9.12 Have retention time (RT) windows been properly calculated for each analyte of interest (Method 8000B, section 7.6), using RTs from the associated calibration verification/continuing standard? ☒ ☐ ☐

ACTION: If no, take action specified in section 3.2 above

9.13 Do all standard retention times for each calibration verification/continuing calibration standard fall within the windows established during the initial calibration sequence? ☒ ☐ ☐

9.14 Do all standard retention times for each mid-concentration standard (analyzed after every 10 samples) fall within the daily RT windows. ☒ ☐ ☐

ACTION: For any multi-response analytes, retention time windows should be used but analyst and reviewer should rely primarily on pattern recognition or use paragraph B below. If the answer to either 9.13 or 9.14 above is no, check the chromatograms of all samples which followed the last in-control standard. If samples were not re-analyzed, all samples analyzed after the last in-control standard must be evaluated using professional judgement.

(A) For non-detected target compounds, check to see if the sample chromatograms contain any peaks that are close to the expected RT window of the Arcolor of interest. If no peaks are present, no qualification of data is necessary. If peaks are present close th RT window of the Aroclor of interest, qualify the non-detected values as presumptively present "N".

Yes NO N/A

- (B) For detected compounds in the affected samples, if peaks within the RT window, no qualification necessary. If peaks are close to the expected RT window of the Aroclor of interest, the reviewer can examine the data package for the presence of three or more standards the Aroclor of interest that were run within the analytical sequence during which the sample was analyzed. If three or more such standards are present, the RT window can be reevaluated using the Mean Retention Times of the standards. If the peaks in the affected sample fall within the revised window, qualify the detected target compounds "NJ". If the reviewer cannot do anything with the data to resolve the problem of concern, qualify all non-detects as unusable "R". (Table 9)

- 9.15 Has no more than 12 hours elapsed from the injection of the opening CCV and the end of the analytical sequence sequence (closing CCV). (Table 9) 1/1 — —

Table 9. CCV Criteria

Criteria	Action	
	Detected Associated Compounds	Non-Detected Associated Compounds
RT out of RT window	Use professional judgement (Sec 9.14)	
%D not within +/- 15%	J	UJ
Time elapsed greater than section 9.15 criteria.	R	
%D, time elapsed, RT are all within acceptable limits.	No qualifications	

- 9.16 Are there any transcription/calculation errors between raw data and data summary forms? — 1/1 —

ACTION: If large errors exists, call lab for explanation/resubmittal, make any necessary corrections and document the effect in data assessments under "Conclusions".

10.0 Analytical Sequence Check (Form VIII-PEST/Equivalent)

- 10.1 Have all samples been listed on CLP Form VIII or equivalent, and are separate forms present for each column? 1/1 — —

Yes NO N/A

ACTION: If no, take action specified in 3.2 above.

10.2 Was the proper analytical sequence followed for each initial calibration and subsequent analyses?

☒ ☐ ☐

ACTION: If no, use professional judgement to determine the severity of the effect on the data and qualify it accordingly. Generally, the effect is negligible unless the sequence was grossly altered or the calibration was also out of limits.

10.3 Were the TCMX/DCB surrogate RTs for the samples within the mean surrogate RT from the initial calibration?

☒ ☐ ☐

Action: If no, see "Action" in section 9.14 above

11.0 Extraction Techniques for Sample Preparation

Method 8082A permits a variety of extraction techniques to be used for sample preparation. Check which extraction procedure was used?

1. Aqueous samples:

1. Separatory funnel (Method 3510)

☐ ☐ ☒

2. Continuous liquid-liquid extraction (Method 3520)

☐ ☐ ☒

3. Solid phase extraction (Method 3535)

☐ ☐ ☒

4. Other

☐ ☐ ☐

2. Solid samples:

1. Soxhlet (Method 3540)

☐ ☒ ☐

2. Automated Soxhlet (Method 3541)

☐ ☒ ☐

3. Pressurized fluid (Method 3545)

☐ ☒ ☐

4. Microwave extraction (Method 3546)

☐ ☒ ☐

5. Ultrasonic extraction (Method 3550)

☒ ☐ ☐

Yes NO N/A

6. Supercritical fluid (Method 3562) ☐ ☒ ☐

7. Other ☐ ☒ ☐

11.1 Extract Cleanup - Efficiency Verification (Form IX/Equivalent)

11.1.1 Method 8082 (section 7.2) references method 3660 (sulfur) and 3665A (sulfuric acid) to use for cleaning extracts. Were one or both method used? ☐ ☒ ☐

ACTION: If no, take action specified in 3.2 above.
If data suggests cleanup was not performed, make note in the data assessment.

NOTE: Method 3620A, Florisil, may be used per approved project QA plan. The method does not list which analytes and surrogate(s) to use to verify column efficiency. The reviewer must check project plan to verify method used as well as the correct PCB list. If not stated or available, use the CLP listing or accept what the laboratory used.

11.2 Are all samples listed on modified CLP PCBs Florisil/Cartridge Check Form? ☐ ☒ ☐

ACTION: If no, take action specified in 3.2 above.

11.3 Was GPC Cleanup (method 3640A) performed? ☐ ☒ ☐

NOTE: GPC cleanup is not required and is optional. The reviewer should check Project Plan to verify requirement.

11.4 Were the same PCB analytes used in calibration used to check the efficiency of the cleanup procedures? ☐ ☐ ☒

11.5 Are percent recoveries (% R) of the PCBs and surrogate compounds used to check the efficiency of the cleanup procedures within lab's in-house QC limits (use 70-130% if not available). ☐ ☐ ☒

Yes NO N/A

70-130% for GPC calibration?

☒ ☐ ☐

Qualify only the analyte(s) which fail the recovery criteria as follows:

ACTION: If % R are < 70%, qualify positive results "J" and quantitation limits "UJ". Non-detects should be qualified "R" if zero %R was obtained for PCBs. Use professional judgement to qualify positive results if recoveries are greater than the upper limit.

12.0 PCB Identification

12.1 Has CLP Form X or equivalent, showing retention time data for positive results on the two GC columns, been completed for every sample in which a PCB was detected? (All ND)

☒ ☐ ☐

ACTION: If no, take action specified in 3.2 above, or compile a list comparing the retention times for all sample hits on the two columns.

12.2 Are there any transcription/calculation errors between raw data and data summary forms (initial calibration summaries, calibration verification summaries, analytical sequence summaries, GPC and cleanup verification forms)?

☒ ☐ ☐

ACTION: If large errors exist, call lab for explanation/resubmittal, make necessary corrections and note error in the data assessment.

12.3 Are retention times (RT) of sample compounds within the established RT windows for both columns/analyses?

☒ ☐ ☐

ACTION: Qualify as unusable (R) all positive results which were not confirmed by second GC column analysis. Also qualify "R", unusable, all positive results not within RT windows unless associated standard compounds are similarly biased. The reviewer should use professional judgement to assign an appropriate quantitation limit.

Yes NO N/A

12.4 Check chromatograms for false negatives,
especially if RT windows on each column were
established differently.

Were there any false negatives?

___ 11 ___

ACTION: Use professional judgement to decide if the
compound should be reported. If there is
reason to believe that peaks outside
retention RT windows should be reported, make
corrections to data summary forms (Form I)
and note in data assessment.

12.5 Was GC/MS confirmation provided when sample
concentration was sufficient (> 10 ug/ml) in the
final extract?

___ 11 ___

ACTION: Indicate with red pencil which Form I results
were confirmed by GC/MS and also note in data
assessment. GC/MS confirmation is an option,
see section 7.10 of Method 8082A-20. If
GC/MS confirmation is not available, follow
action in section 3.2.

12.6 Is the percent difference (%D) calculated for the
positive sample results on the two GC columns
<25.0%?

___ 11 ___

NOTE: The method requires quantitation from one
column. The second column is to confirm the
presence of an analyte. It is the reviewer's
responsibility to verify from the project
plan what the lab was required to report. If
the lab was required to report concentrations
from both columns, continue with validation
for % Difference. If required, but not
reported, either contact the lab for results
or calculate the concentrations from the
calibration. If not required, skip this
section. Document actions in Data Assessment.

ACTION: If the reviewer finds neither column shows
interference for the positive hits, the data
should be qualified as follows:

% Difference

Qualifier

Yes NO N/A

0-25%	none
26-70%	"J"
71-100%	"NJ"
101-200% (No Interference)	"R"
101-200% (Interference detected)	"NJ"
>50% (PCBs value is <CRQL)	"U"
>200%	"R"

Note: The lower of the two values is reported on Form I. If using professional judgement, the reviewer determines that the higher result was more acceptable, the reviewer should replace the value and indicate the reason for the change in the data assessment.

13.0 Compound Quantitation and Reported Detection Limits

13.1 Are there any transcription/calculation errors in Form I results? Check at least two positive values. Were any errors found? 1

NOTE: Single-peak PCBs results can be checked for rough agreement between quantitative results obtained on the two GC columns. The reviewer should use professional judgement to decide whether a much larger concentration obtained on one column versus the other indicates the presence of an interfering compound. If an interference is suspected, the lower of the two values should be reported and qualified according to section 12.6 above. This necessitates a determination of an estimated concentration on the confirmation column. The narrative should indicate that the presence of interferences has led to the quantitation of the second column confirmation results.

13.2 Are the EDLs (Estimated Detection Limits) adjusted to reflect sample dilutions and, for soils, % moisture? 1

ACTION: If errors are large, call lab for explanation/resubmittal, make any necessary corrections and document effect in data assessments.

Yes NO N/A

ACTION: When a sample is analyzed at more than one dilution, the lowest EDLs are used (unless a QC exceedance dictates the use of the higher EDL data from the diluted sample analysis). Replace concentrations that exceed the calibration range in the original analysis by crossing out the value on the original Form I and substituting it with data from the analysis of diluted sample. Specify which Form I is to be used, then draw a red "X" across the entire page of all Form I's that should not be used, including any in the summary package.

ACTION: EDLs affected by large, off-scale peaks should be qualified as unusable, "R". If the interference is on-scale, the reviewer can provide a modified EDL flagged "UJ" for each affected compound.

14.0 Chromatogram Quality

14.1 Were baselines stable?

☒

14.2 Were any electropositive displacement (negative peaks) or unusual peaks seen?

 ☒

ACTION: Note all system performance problems in the data assessment.

15.0 Field Duplicates

15.1 Were any field duplicates submitted for PCB analysis?

☒

ACTION: Compare the reported results for field duplicates and calculate the relative percent difference.

ACTION: Any gross variation between field duplicate results must be addressed in the reviewer narrative. However, if large differences exist, the identity of the field duplicates is questionable. An attempt should be made

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Yes NO N/A

to determine the proper identification of
field duplicates.

Glen Isle - LDC# 31445

SDG: 480532972

Analytical Method		SW8082A										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801675381A	4801675381A	PCB-1248 (AROCLOR 1248)	2/26/2014		Yes	N	U		U	0.23	0.045	mg/kg
4801675381A	4801675381A	PCB-1254 (AROCLOR 1254)	2/26/2014		Yes	N	U		U	0.23	0.11	mg/kg
4801675381A	4801675381A	PCB-1242 (AROCLOR 1242)	2/26/2014		Yes	N	U		U	0.23	0.045	mg/kg
4801675381A	4801675381A	PCB-1232 (AROCLOR 1232)	2/26/2014		Yes	N	U		U	0.23	0.045	mg/kg
4801675381A	4801675381A	PCB-1221 (AROCLOR 1221)	2/26/2014		Yes	N	U		U	0.23	0.045	mg/kg
4801675381A	4801675381A	PCB-1016 (AROCLOR 1016)	2/26/2014		Yes	N	U		U	0.23	0.045	mg/kg
4801675381A	4801675381A	PCB-1260 (AROCLOR 1260)	2/26/2014		Yes	N	U		U	0.23	0.11	mg/kg
LT-C-001 (0-2')-20140113	480-53297-1	PCB-1260 (AROCLOR 1260)	2/26/2014		Yes	N	U		U	0.21	0.097	mg/kg
LT-C-001 (0-2')-20140113	480-53297-1	PCB-1254 (AROCLOR 1254)	2/26/2014		Yes	N	U		U	0.21	0.097	mg/kg
LT-C-001 (0-2')-20140113	480-53297-1	PCB-1248 (AROCLOR 1248)	2/26/2014		Yes	N	U		U	0.21	0.041	mg/kg
LT-C-001 (0-2')-20140113	480-53297-1	PCB-1242 (AROCLOR 1242)	2/26/2014		Yes	N	U		U	0.21	0.041	mg/kg
LT-C-001 (0-2')-20140113	480-53297-1	PCB-1221 (AROCLOR 1221)	2/26/2014		Yes	N	U		U	0.21	0.041	mg/kg
LT-C-001 (0-2')-20140113	480-53297-1	PCB-1016 (AROCLOR 1016)	2/26/2014		Yes	N	U		U	0.21	0.041	mg/kg
LT-C-001 (0-2')-20140113	480-53297-1	PCB-1232 (AROCLOR 1232)	2/26/2014		Yes	N	U		U	0.21	0.041	mg/kg
LT-C-001 (4-6')-20140113	480-53297-2	PCB-1232 (AROCLOR 1232)	2/26/2014		Yes	N	U		U	0.20	0.039	mg/kg
LT-C-001 (4-6')-20140113	480-53297-2	PCB-1221 (AROCLOR 1221)	2/26/2014		Yes	N	U		U	0.20	0.039	mg/kg
LT-C-001 (4-6')-20140113	480-53297-2	PCB-1260 (AROCLOR 1260)	2/26/2014		Yes	N	U		U	0.20	0.094	mg/kg
LT-C-001 (4-6')-20140113	480-53297-2	PCB-1242 (AROCLOR 1242)	2/26/2014		Yes	N	U		U	0.20	0.039	mg/kg
LT-C-001 (4-6')-20140113	480-53297-2	PCB-1248 (AROCLOR 1248)	2/26/2014		Yes	N	U		U	0.20	0.039	mg/kg
LT-C-001 (4-6')-20140113	480-53297-2	PCB-1254 (AROCLOR 1254)	2/26/2014		Yes	N	U		U	0.20	0.094	mg/kg
LT-C-001 (4-6')-20140113	480-53297-2	PCB-1016 (AROCLOR 1016)	2/26/2014		Yes	N	U		U	0.20	0.039	mg/kg
LT-C-001 (6-8')-20140113	480-53297-3	PCB-1260 (AROCLOR 1260)	2/26/2014		Yes	N	U		U	0.18	0.086	mg/kg
LT-C-001 (6-8')-20140113	480-53297-3	PCB-1254 (AROCLOR 1254)	2/26/2014		Yes	N	U		U	0.18	0.086	mg/kg

SDG: 480532972

Analytical Method		SW8082A										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-001 (6-8')-20140113	480-53297-3	PCB-1248 (AROCLOR 1248)	2/26/2014		Yes	N	U		U	0.18	0.036	mg/kg
LT-C-001 (6-8')-20140113	480-53297-3	PCB-1242 (AROCLOR 1242)	2/26/2014		Yes	N	U		U	0.18	0.036	mg/kg
LT-C-001 (6-8')-20140113	480-53297-3	PCB-1232 (AROCLOR 1232)	2/26/2014		Yes	N	U		U	0.18	0.036	mg/kg
LT-C-001 (6-8')-20140113	480-53297-3	PCB-1221 (AROCLOR 1221)	2/26/2014		Yes	N	U		U	0.18	0.036	mg/kg
LT-C-001 (6-8')-20140113	480-53297-3	PCB-1016 (AROCLOR 1016)	2/26/2014		Yes	N	U		U	0.18	0.036	mg/kg
LT-XC-004 (0-2')-20140113	480-53297-4	PCB-1242 (AROCLOR 1242)	2/26/2014		Yes	N	U		U	0.23	0.044	mg/kg
LT-XC-004 (0-2')-20140113	480-53297-4	PCB-1232 (AROCLOR 1232)	2/26/2014		Yes	N	U		U	0.23	0.044	mg/kg
LT-XC-004 (0-2')-20140113	480-53297-4	PCB-1260 (AROCLOR 1260)	2/26/2014		Yes	N	U		U	0.23	0.11	mg/kg
LT-XC-004 (0-2')-20140113	480-53297-4	PCB-1248 (AROCLOR 1248)	2/26/2014		Yes	N	U		U	0.23	0.044	mg/kg
LT-XC-004 (0-2')-20140113	480-53297-4	PCB-1016 (AROCLOR 1016)	2/26/2014		Yes	N	U		U	0.23	0.044	mg/kg
LT-XC-004 (0-2')-20140113	480-53297-4	PCB-1221 (AROCLOR 1221)	2/26/2014		Yes	N	U		U	0.23	0.044	mg/kg
LT-XC-004 (0-2')-20140113	480-53297-4	PCB-1254 (AROCLOR 1254)	2/26/2014		Yes	N	U		U	0.23	0.11	mg/kg
LT-XC-004 (2-4')-20140113	480-53297-5	PCB-1260 (AROCLOR 1260)	2/26/2014		Yes	N	U		U	0.23	0.11	mg/kg
LT-XC-004 (2-4')-20140113	480-53297-5	PCB-1016 (AROCLOR 1016)	2/26/2014		Yes	N	U		U	0.23	0.044	mg/kg
LT-XC-004 (2-4')-20140113	480-53297-5	PCB-1254 (AROCLOR 1254)	2/26/2014		Yes	N	U		U	0.23	0.11	mg/kg
LT-XC-004 (2-4')-20140113	480-53297-5	PCB-1248 (AROCLOR 1248)	2/26/2014		Yes	N	U		U	0.23	0.044	mg/kg
LT-XC-004 (2-4')-20140113	480-53297-5	PCB-1242 (AROCLOR 1242)	2/26/2014		Yes	N	U		U	0.23	0.044	mg/kg
LT-XC-004 (2-4')-20140113	480-53297-5	PCB-1221 (AROCLOR 1221)	2/26/2014		Yes	N	U		U	0.23	0.044	mg/kg
LT-XC-004 (2-4')-20140113	480-53297-5	PCB-1232 (AROCLOR 1232)	2/26/2014		Yes	N	U		U	0.23	0.044	mg/kg
LT-XC-004 (8-10')-20140113	480-53297-6	PCB-1232 (AROCLOR 1232)	2/26/2014		Yes	N	U		U	0.22	0.044	mg/kg
LT-XC-004 (8-10')-20140113	480-53297-6	PCB-1016 (AROCLOR 1016)	2/26/2014		Yes	N	U		U	0.22	0.044	mg/kg
LT-XC-004 (8-10')-20140113	480-53297-6	PCB-1221 (AROCLOR 1221)	2/26/2014		Yes	N	U		U	0.22	0.044	mg/kg
LT-XC-004 (8-10')-20140113	480-53297-6	PCB-1260 (AROCLOR 1260)	2/26/2014		Yes	N	U		U	0.22	0.11	mg/kg
LT-XC-004 (8-10')-20140113	480-53297-6	PCB-1254 (AROCLOR 1254)	2/26/2014		Yes	N	U		U	0.22	0.11	mg/kg
LT-XC-004 (8-10')-20140113	480-53297-6	PCB-1242 (AROCLOR 1242)	2/26/2014		Yes	N	U		U	0.22	0.044	mg/kg

SDG: 480532972

Analytical Method SW8082A

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-XC-004 (8-10')-20140113	480-53297-6	PCB-1248 (AROCOR 1248)	2/26/2014		Yes	N	U		U	0.22	0.044	mg/kg

SDG: 480550871

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801673801A	4801673801A	IRON	2/27/2014	2.23	Yes	Y	J		J	51.7	1.1	mg/kg
4801673801A	4801673801A	VANADIUM	2/27/2014		Yes	N	U		U	2.6	0.11	mg/kg
4801673801A	4801673801A	THALLIUM	2/27/2014		Yes	N	U		U	31.0	0.31	mg/kg
4801673801A	4801673801A	SODIUM	2/27/2014		Yes	N	U		U	724	13.4	mg/kg
4801673801A	4801673801A	SILVER	2/27/2014		Yes	N	U		U	2.6	0.21	mg/kg
4801673801A	4801673801A	SELENIUM	2/27/2014		Yes	N	U		U	20.7	0.41	mg/kg
4801673801A	4801673801A	POTASSIUM	2/27/2014		Yes	N	U		U	155	20.7	mg/kg
4801673801A	4801673801A	NICKEL	2/27/2014		Yes	N	U		U	25.8	0.24	mg/kg
4801673801A	4801673801A	MANGANESE	2/27/2014	0.0413	Yes	Y	J		J	1.0	0.033	mg/kg
4801673801A	4801673801A	ZINC	2/27/2014	0.245	Yes	Y	J		J	10.3	0.16	mg/kg
4801673801A	4801673801A	LEAD	2/27/2014		Yes	N	U		U	5.2	0.25	mg/kg
4801673801A	4801673801A	CHROMIUM, TOTAL	2/27/2014		Yes	N	U		U	2.6	0.21	mg/kg
4801673801A	4801673801A	COPPER	2/27/2014		Yes	N	U		U	5.2	0.22	mg/kg
4801673801A	4801673801A	COBALT	2/27/2014		Yes	N	U		U	2.6	0.052	mg/kg
4801673801A	4801673801A	CALCIUM	2/27/2014	4.28	Yes	Y	J		J	258	3.4	mg/kg
4801673801A	4801673801A	BERYLLIUM	2/27/2014		Yes	N	U		U	1.0	0.029	mg/kg
4801673801A	4801673801A	BARIUM	2/27/2014		Yes	N	U		U	2.6	0.11	mg/kg
4801673801A	4801673801A	ARSENIC	2/27/2014		Yes	N	U		U	10.3	0.41	mg/kg
4801673801A	4801673801A	ANTIMONY	2/27/2014		Yes	N	U		U	77.5	0.41	mg/kg
4801673801A	4801673801A	ALUMINUM	2/27/2014		Yes	N	U		U	51.7	4.5	mg/kg
4801673801A	4801673801A	MAGNESIUM	2/27/2014		Yes	N	U		U	103	0.96	mg/kg
4801673801A	4801673801A	CADMIUM	2/27/2014		Yes	N	U		U	1.0	0.031	mg/kg
4801673811A	4801673811A	COPPER	2/27/2014		Yes	N	U		U	5.4	0.23	mg/kg
4801673811A	4801673811A	SODIUM	2/27/2014		Yes	N	U		U	761	14.1	mg/kg
4801673811A	4801673811A	SILVER	2/27/2014		Yes	N	U		U	2.7	0.22	mg/kg

SDG: 480550871

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801673811A	4801673811A	SELENIUM	2/27/2014		Yes	N	U		U	21.7	0.43	mg/kg
4801673811A	4801673811A	POTASSIUM	2/27/2014		Yes	N	U		U	163	21.7	mg/kg
4801673811A	4801673811A	NICKEL	2/27/2014		Yes	N	U		U	27.2	0.25	mg/kg
4801673811A	4801673811A	MANGANESE	2/27/2014	0.134	Yes	Y	J		J	1.1	0.035	mg/kg
4801673811A	4801673811A	MAGNESIUM	2/27/2014	2.33	Yes	Y	J		J	109	1.0	mg/kg
4801673811A	4801673811A	THALLIUM	2/27/2014		Yes	N	U		U	32.6	0.33	mg/kg
4801673811A	4801673811A	IRON	2/27/2014	5.23	Yes	Y	J		J	54.3	1.2	mg/kg
4801673811A	4801673811A	BARIUM	2/27/2014		Yes	N	U		U	2.7	0.12	mg/kg
4801673811A	4801673811A	COBALT	2/27/2014		Yes	N	U		U	2.7	0.054	mg/kg
4801673811A	4801673811A	CHROMIUM, TOTAL	2/27/2014		Yes	N	U		U	2.7	0.22	mg/kg
4801673811A	4801673811A	CALCIUM	2/27/2014	7.49	Yes	Y	J		J	272	3.6	mg/kg
4801673811A	4801673811A	CADMIUM	2/27/2014		Yes	N	U		U	1.1	0.033	mg/kg
4801673811A	4801673811A	BERYLLIUM	2/27/2014		Yes	N	U		U	1.1	0.030	mg/kg
4801673811A	4801673811A	ARSENIC	2/27/2014		Yes	N	U		U	10.9	0.43	mg/kg
4801673811A	4801673811A	ALUMINUM	2/27/2014		Yes	N	U		U	54.3	4.8	mg/kg
4801673811A	4801673811A	LEAD	2/27/2014		Yes	N	U		U	5.4	0.26	mg/kg
4801673811A	4801673811A	ZINC	2/27/2014	0.354	Yes	Y	J		J	10.9	0.17	mg/kg
4801673811A	4801673811A	VANADIUM	2/27/2014		Yes	N	U		U	2.7	0.12	mg/kg
4801673811A	4801673811A	ANTIMONY	2/27/2014		Yes	N	U		U	81.5	0.43	mg/kg
4801676241A	4801676241A	IRON	2/27/2014	0.0318	Yes	Y	J		J	0.050	0.019	mg/l
4801676241A	4801676241A	VANADIUM	2/27/2014		Yes	N	U		U	0.0050	0.0015	mg/l
4801676241A	4801676241A	THALLIUM	2/27/2014		Yes	N	U		U	0.020	0.010	mg/l
4801676241A	4801676241A	SODIUM	2/27/2014		Yes	N	U		U	1.0	0.32	mg/l
4801676241A	4801676241A	SELENIUM	2/27/2014		Yes	N	U		U	0.015	0.0087	mg/l
4801676241A	4801676241A	NICKEL	2/27/2014		Yes	N	U		U	0.010	0.0013	mg/l

SDG: 480550871

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801676241A	4801676241A	MANGANESE	2/27/2014	0.00228	Yes	Y	J		J	0.0030	0.00040	mg/l
4801676241A	4801676241A	ZINC	2/27/2014	0.00172	Yes	Y	J		J	0.010	0.0015	mg/l
4801676241A	4801676241A	LEAD	2/27/2014		Yes	N	U		U	0.0050	0.0030	mg/l
4801676241A	4801676241A	SILVER	2/27/2014		Yes	N	U		U	0.0030	0.0017	mg/l
4801676241A	4801676241A	COPPER	2/27/2014		Yes	N	U		U	0.010	0.0016	mg/l
4801676241A	4801676241A	COBALT	2/27/2014		Yes	N	U		U	0.0040	0.00063	mg/l
4801676241A	4801676241A	CHROMIUM, TOTAL	2/27/2014		Yes	N	U		U	0.0040	0.0010	mg/l
4801676241A	4801676241A	CALCIUM	2/27/2014		Yes	N	U		U	0.50	0.10	mg/l
4801676241A	4801676241A	CADMIUM	2/27/2014		Yes	N	U		U	0.0010	0.00050	mg/l
4801676241A	4801676241A	BERYLLIUM	2/27/2014		Yes	N	U		U	0.0020	0.00030	mg/l
4801676241A	4801676241A	BARIUM	2/27/2014		Yes	N	U		U	0.0020	0.00070	mg/l
4801676241A	4801676241A	MAGNESIUM	2/27/2014		Yes	N	U		U	0.20	0.043	mg/l
4801676241A	4801676241A	ALUMINUM	2/27/2014		Yes	N	U		U	0.20	0.060	mg/l
4801676241A	4801676241A	ANTIMONY	2/27/2014		Yes	N	U		U	0.020	0.0068	mg/l
4801676241A	4801676241A	ARSENIC	2/27/2014		Yes	N	U		U	0.010	0.0056	mg/l
4801676241A	4801676241A	POTASSIUM	2/27/2014		Yes	N	U		U	0.50	0.10	mg/l
CC-C-042-0-2-20140220	480-55087-4	SODIUM	2/27/2014	192	Yes	Y	J		J	778	14.4	mg/kg
CC-C-042-0-2-20140220	480-55087-4	COPPER	2/27/2014	141	Yes	Y		J	J	5.6	0.23	mg/kg
CC-C-042-0-2-20140220	480-55087-4	IRON	2/27/2014	28600	Yes	Y	B	J	J	55.5	1.2	mg/kg
CC-C-042-0-2-20140220	480-55087-4	LEAD	2/27/2014	242	Yes	Y		J	J	5.6	0.27	mg/kg
CC-C-042-0-2-20140220	480-55087-4	MAGNESIUM	2/27/2014	3460	Yes	Y				111	1.0	mg/kg
CC-C-042-0-2-20140220	480-55087-4	MANGANESE	2/27/2014	1290	Yes	Y	B	J	J	1.1	0.036	mg/kg
CC-C-042-0-2-20140220	480-55087-4	NICKEL	2/27/2014	18.2	Yes	Y	J		J	27.8	0.26	mg/kg
CC-C-042-0-2-20140220	480-55087-4	POTASSIUM	2/27/2014	974	Yes	Y				167	22.2	mg/kg
CC-C-042-0-2-20140220	480-55087-4	ZINC	2/27/2014	209	Yes	Y	B	J	J	11.1	0.17	mg/kg

SDG: 480550871

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-042-0-2-20140220	480-55087-4	SILVER	2/27/2014	4.3	Yes	Y				2.8	0.22	mg/kg
CC-C-042-0-2-20140220	480-55087-4	CADMIUM	2/27/2014	2.3	Yes	Y				1.1	0.033	mg/kg
CC-C-042-0-2-20140220	480-55087-4	BERYLLIUM	2/27/2014	0.26	Yes	Y	J		J	1.1	0.031	mg/kg
CC-C-042-0-2-20140220	480-55087-4	BARIUM	2/27/2014	74	Yes	Y		J	J	2.8	0.12	mg/kg
CC-C-042-0-2-20140220	480-55087-4	CHROMIUM, TOTAL	2/27/2014	16.9	Yes	Y				2.8	0.22	mg/kg
CC-C-042-0-2-20140220	480-55087-4	ANTIMONY	2/27/2014	32.5	Yes	Y	J		J	83.3	0.44	mg/kg
CC-C-042-0-2-20140220	480-55087-4	ALUMINUM	2/27/2014	8020	Yes	Y		J	J	55.5	4.9	mg/kg
CC-C-042-0-2-20140220	480-55087-4	CALCIUM	2/27/2014	13100	Yes	Y	B	J	J	278	3.7	mg/kg
CC-C-042-0-2-20140220	480-55087-4	COBALT	2/27/2014	12	Yes	Y		J	J	2.8	0.056	mg/kg
CC-C-042-0-2-20140220	480-55087-4	SELENIUM	2/27/2014	2.7	Yes	Y	J		J	22.2	0.44	mg/kg
CC-C-042-0-2-20140220	480-55087-4	VANADIUM	2/27/2014	20.8	Yes	Y				2.8	0.12	mg/kg
CC-C-042-0-2-20140220	480-55087-4	ARSENIC	2/27/2014	30.1	Yes	Y				11.1	0.44	mg/kg
CC-C-042-0-2-20140220	480-55087-4	THALLIUM	2/27/2014		Yes	N	U		U	33.3	0.33	mg/kg
CC-C-042-2-4-20140220	480-55087-5	ZINC	2/27/2014	181	Yes	Y	B	J	J	10.5	0.16	mg/kg
CC-C-042-2-4-20140220	480-55087-5	IRON	2/27/2014	18400	Yes	Y	B			52.3	1.2	mg/kg
CC-C-042-2-4-20140220	480-55087-5	COPPER	2/27/2014	125	Yes	Y		J	J	5.2	0.22	mg/kg
CC-C-042-2-4-20140220	480-55087-5	COBALT	2/27/2014	12	Yes	Y				2.6	0.052	mg/kg
CC-C-042-2-4-20140220	480-55087-5	CHROMIUM, TOTAL	2/27/2014	10.2	Yes	Y				2.6	0.21	mg/kg
CC-C-042-2-4-20140220	480-55087-5	CALCIUM	2/27/2014	7400	Yes	Y	B	J	J	261	3.5	mg/kg
CC-C-042-2-4-20140220	480-55087-5	CADMIUM	2/27/2014	2	Yes	Y				1.0	0.031	mg/kg
CC-C-042-2-4-20140220	480-55087-5	BERYLLIUM	2/27/2014	0.25	Yes	Y	J		J	1.0	0.029	mg/kg
CC-C-042-2-4-20140220	480-55087-5	BARIUM	2/27/2014	63.7	Yes	Y		J	J	2.6	0.12	mg/kg
CC-C-042-2-4-20140220	480-55087-5	VANADIUM	2/27/2014	22.1	Yes	Y				2.6	0.12	mg/kg
CC-C-042-2-4-20140220	480-55087-5	ARSENIC	2/27/2014	50	Yes	Y				10.5	0.42	mg/kg
CC-C-042-2-4-20140220	480-55087-5	MANGANESE	2/27/2014	713	Yes	Y	B	J	J	1.0	0.033	mg/kg

SDG: 480550871

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-042-2-4-20140220	480-55087-5	NICKEL	2/27/2014	12.4	Yes	Y	J		J	26.1	0.24	mg/kg
CC-C-042-2-4-20140220	480-55087-5	POTASSIUM	2/27/2014	601	Yes	Y				157	20.9	mg/kg
CC-C-042-2-4-20140220	480-55087-5	SELENIUM	2/27/2014	2.8	Yes	Y	J		J	20.9	0.42	mg/kg
CC-C-042-2-4-20140220	480-55087-5	SILVER	2/27/2014	4.2	Yes	Y				2.6	0.21	mg/kg
CC-C-042-2-4-20140220	480-55087-5	MAGNESIUM	2/27/2014	3270	Yes	Y				105	0.97	mg/kg
CC-C-042-2-4-20140220	480-55087-5	ANTIMONY	2/27/2014	40.8	Yes	Y	J		J	78.4	0.42	mg/kg
CC-C-042-2-4-20140220	480-55087-5	ALUMINUM	2/27/2014	5820	Yes	Y		J	J	52.3	4.6	mg/kg
CC-C-042-2-4-20140220	480-55087-5	SODIUM	2/27/2014	238	Yes	Y	J		J	732	13.6	mg/kg
CC-C-042-2-4-20140220	480-55087-5	THALLIUM	2/27/2014		Yes	N	U		U	31.4	0.31	mg/kg
CC-C-042-2-4-20140220	480-55087-5	LEAD	2/27/2014	323	Yes	Y		J	J	5.2	0.25	mg/kg
CC-C-042-8-10-20140220	480-55087-7	POTASSIUM	2/27/2014	308	Yes	Y				147	19.6	mg/kg
CC-C-042-8-10-20140220	480-55087-7	COBALT	2/27/2014	0.71	Yes	Y	J		J	2.5	0.049	mg/kg
CC-C-042-8-10-20140220	480-55087-7	ZINC	2/27/2014	5.8	Yes	Y	BJ	UJ	UJ	9.8	0.15	mg/kg
CC-C-042-8-10-20140220	480-55087-7	VANADIUM	2/27/2014	4.2	Yes	Y				2.5	0.11	mg/kg
CC-C-042-8-10-20140220	480-55087-7	THALLIUM	2/27/2014		Yes	N	U		U	29.4	0.29	mg/kg
CC-C-042-8-10-20140220	480-55087-7	SODIUM	2/27/2014	28	Yes	Y	J		J	686	12.7	mg/kg
CC-C-042-8-10-20140220	480-55087-7	SELENIUM	2/27/2014	0.49	Yes	Y	J		J	19.6	0.39	mg/kg
CC-C-042-8-10-20140220	480-55087-7	NICKEL	2/27/2014	1.2	Yes	Y	J		J	24.5	0.23	mg/kg
CC-C-042-8-10-20140220	480-55087-7	MANGANESE	2/27/2014	77.6	Yes	Y	B	J	J	0.98	0.031	mg/kg
CC-C-042-8-10-20140220	480-55087-7	MAGNESIUM	2/27/2014	552	Yes	Y				98.1	0.91	mg/kg
CC-C-042-8-10-20140220	480-55087-7	LEAD	2/27/2014	1.7	Yes	Y	J	J	J	4.9	0.24	mg/kg
CC-C-042-8-10-20140220	480-55087-7	ALUMINUM	2/27/2014	972	Yes	Y		J	J	49.0	4.3	mg/kg
CC-C-042-8-10-20140220	480-55087-7	SILVER	2/27/2014	0.42	Yes	Y	J		J	2.5	0.20	mg/kg
CC-C-042-8-10-20140220	480-55087-7	IRON	2/27/2014	3620	Yes	Y	B			49.0	1.1	mg/kg
CC-C-042-8-10-20140220	480-55087-7	COPPER	2/27/2014	9.7	Yes	Y		J	J	4.9	0.21	mg/kg

SDG: 480550871

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-042-8-10-20140220	480-55087-7	CALCIUM	2/27/2014	328	Yes	Y	B	J	J	245	3.2	mg/kg
CC-C-042-8-10-20140220	480-55087-7	CADMIUM	2/27/2014	0.12	Yes	Y	J		J	0.98	0.029	mg/kg
CC-C-042-8-10-20140220	480-55087-7	CHROMIUM, TOTAL	2/27/2014	2.8	Yes	Y				2.5	0.20	mg/kg
CC-C-042-8-10-20140220	480-55087-7	BARIUM	2/27/2014	3.6	Yes	Y		J	J	2.5	0.11	mg/kg
CC-C-042-8-10-20140220	480-55087-7	BERYLLIUM	2/27/2014	0.1	Yes	Y	J		J	0.98	0.027	mg/kg
CC-C-042-8-10-20140220	480-55087-7	ANTIMONY	2/27/2014	0.85	Yes	Y	J		J	73.6	0.39	mg/kg
CC-C-042-8-10-20140220	480-55087-7	ARSENIC	2/27/2014	10.2	Yes	Y				9.8	0.39	mg/kg
CC-C-043-0-2-20140220	480-55087-8	LEAD	2/27/2014	76.7	Yes	Y		J	J	5.3	0.25	mg/kg
CC-C-043-0-2-20140220	480-55087-8	IRON	2/27/2014	7870	Yes	Y	B			52.7	1.2	mg/kg
CC-C-043-0-2-20140220	480-55087-8	COPPER	2/27/2014	22.7	Yes	Y		J	J	5.3	0.22	mg/kg
CC-C-043-0-2-20140220	480-55087-8	CHROMIUM, TOTAL	2/27/2014	10	Yes	Y				2.6	0.21	mg/kg
CC-C-043-0-2-20140220	480-55087-8	POTASSIUM	2/27/2014	415	Yes	Y				158	21.1	mg/kg
CC-C-043-0-2-20140220	480-55087-8	CALCIUM	2/27/2014	7890	Yes	Y	B	J	J	263	3.5	mg/kg
CC-C-043-0-2-20140220	480-55087-8	CADMIUM	2/27/2014	0.36	Yes	Y	J		J	1.1	0.032	mg/kg
CC-C-043-0-2-20140220	480-55087-8	ALUMINUM	2/27/2014	4600	Yes	Y		J	J	52.7	4.6	mg/kg
CC-C-043-0-2-20140220	480-55087-8	BERYLLIUM	2/27/2014	0.17	Yes	Y	J		J	1.1	0.029	mg/kg
CC-C-043-0-2-20140220	480-55087-8	COBALT	2/27/2014	3.5	Yes	Y				2.6	0.053	mg/kg
CC-C-043-0-2-20140220	480-55087-8	SILVER	2/27/2014	0.23	Yes	Y	J		J	2.6	0.21	mg/kg
CC-C-043-0-2-20140220	480-55087-8	ZINC	2/27/2014	63	Yes	Y	B	J	J	10.5	0.16	mg/kg
CC-C-043-0-2-20140220	480-55087-8	VANADIUM	2/27/2014	12.3	Yes	Y				2.6	0.12	mg/kg
CC-C-043-0-2-20140220	480-55087-8	MANGANESE	2/27/2014	160	Yes	Y	B	J	J	1.1	0.034	mg/kg
CC-C-043-0-2-20140220	480-55087-8	SODIUM	2/27/2014	56	Yes	Y	J		J	737	13.7	mg/kg
CC-C-043-0-2-20140220	480-55087-8	MAGNESIUM	2/27/2014	2410	Yes	Y				105	0.98	mg/kg
CC-C-043-0-2-20140220	480-55087-8	SELENIUM	2/27/2014		Yes	N	U		U	21.1	0.42	mg/kg
CC-C-043-0-2-20140220	480-55087-8	ARSENIC	2/27/2014	7.2	Yes	Y	J		J	10.5	0.42	mg/kg

SDG: 480550871

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-043-0-2-20140220	480-55087-8	BARIUM	2/27/2014	47	Yes	Y		J	J	2.6	0.12	mg/kg
CC-C-043-0-2-20140220	480-55087-8	NICKEL	2/27/2014	8.2	Yes	Y	J		J	26.3	0.24	mg/kg
CC-C-043-0-2-20140220	480-55087-8	ANTIMONY	2/27/2014	4.9	Yes	Y	J		J	79.0	0.42	mg/kg
CC-C-043-0-2-20140220	480-55087-8	THALLIUM	2/27/2014		Yes	N	U		U	31.6	0.32	mg/kg
CC-C-043-2-4-20140220	480-55087-9	POTASSIUM	2/27/2014	509	Yes	Y				167	22.3	mg/kg
CC-C-043-2-4-20140220	480-55087-9	ALUMINUM	2/27/2014	5190	Yes	Y		J	J	55.7	4.9	mg/kg
CC-C-043-2-4-20140220	480-55087-9	ARSENIC	2/27/2014	4.6	Yes	Y	J		J	11.1	0.45	mg/kg
CC-C-043-2-4-20140220	480-55087-9	ANTIMONY	2/27/2014		Yes	N	U		U	83.5	0.45	mg/kg
CC-C-043-2-4-20140220	480-55087-9	LEAD	2/27/2014	50.5	Yes	Y		J	J	5.6	0.27	mg/kg
CC-C-043-2-4-20140220	480-55087-9	SELENIUM	2/27/2014		Yes	N	U		U	22.3	0.45	mg/kg
CC-C-043-2-4-20140220	480-55087-9	BARIUM	2/27/2014	64.5	Yes	Y		J	J	2.8	0.12	mg/kg
CC-C-043-2-4-20140220	480-55087-9	MAGNESIUM	2/27/2014	1770	Yes	Y				111	1.0	mg/kg
CC-C-043-2-4-20140220	480-55087-9	NICKEL	2/27/2014	10.5	Yes	Y	J		J	27.8	0.26	mg/kg
CC-C-043-2-4-20140220	480-55087-9	SILVER	2/27/2014		Yes	N	U		U	2.8	0.22	mg/kg
CC-C-043-2-4-20140220	480-55087-9	SODIUM	2/27/2014	45.4	Yes	Y	J		J	780	14.5	mg/kg
CC-C-043-2-4-20140220	480-55087-9	THALLIUM	2/27/2014		Yes	N	U		U	33.4	0.33	mg/kg
CC-C-043-2-4-20140220	480-55087-9	VANADIUM	2/27/2014	15.6	Yes	Y				2.8	0.12	mg/kg
CC-C-043-2-4-20140220	480-55087-9	CADMIUM	2/27/2014	0.3	Yes	Y	J		J	1.1	0.033	mg/kg
CC-C-043-2-4-20140220	480-55087-9	IRON	2/27/2014	10900	Yes	Y	B			55.7	1.2	mg/kg
CC-C-043-2-4-20140220	480-55087-9	COPPER	2/27/2014	17.2	Yes	Y		J	J	5.6	0.23	mg/kg
CC-C-043-2-4-20140220	480-55087-9	COBALT	2/27/2014	4.4	Yes	Y				2.8	0.056	mg/kg
CC-C-043-2-4-20140220	480-55087-9	CHROMIUM, TOTAL	2/27/2014	10.7	Yes	Y				2.8	0.22	mg/kg
CC-C-043-2-4-20140220	480-55087-9	CALCIUM	2/27/2014	4180	Yes	Y	B	J	J	278	3.7	mg/kg
CC-C-043-2-4-20140220	480-55087-9	ZINC	2/27/2014	56.9	Yes	Y	B	J	J	11.1	0.17	mg/kg
CC-C-043-2-4-20140220	480-55087-9	MANGANESE	2/27/2014	722	Yes	Y	B	J	J	1.1	0.036	mg/kg

SDG: 480550871

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-043-2-4-20140220	480-55087-9	BERYLLIUM	2/27/2014	0.28	Yes	Y	J		J	1.1	0.031	mg/kg
CC-C-043-6-8-20140220	480-55087-10	SILVER	2/27/2014	3.7	Yes	Y				2.9	0.23	mg/kg
CC-C-043-6-8-20140220	480-55087-10	SODIUM	2/27/2014	77.6	Yes	Y	J		J	805	14.9	mg/kg
CC-C-043-6-8-20140220	480-55087-10	THALLIUM	2/27/2014		Yes	N	U		U	34.5	0.34	mg/kg
CC-C-043-6-8-20140220	480-55087-10	VANADIUM	2/27/2014	11.5	Yes	Y				2.9	0.13	mg/kg
CC-C-043-6-8-20140220	480-55087-10	ZINC	2/27/2014	138	Yes	Y	B	J	J	11.5	0.18	mg/kg
CC-C-043-6-8-20140220	480-55087-10	ARSENIC	2/27/2014	4.3	Yes	Y	J		J	11.5	0.46	mg/kg
CC-C-043-6-8-20140220	480-55087-10	BERYLLIUM	2/27/2014	0.17	Yes	Y	J		J	1.1	0.032	mg/kg
CC-C-043-6-8-20140220	480-55087-10	ALUMINUM	2/27/2014	4730	Yes	Y		J	J	57.5	5.1	mg/kg
CC-C-043-6-8-20140220	480-55087-10	SELENIUM	2/27/2014		Yes	N	U		U	23.0	0.46	mg/kg
CC-C-043-6-8-20140220	480-55087-10	CHROMIUM, TOTAL	2/27/2014	10.9	Yes	Y				2.9	0.23	mg/kg
CC-C-043-6-8-20140220	480-55087-10	ANTIMONY	2/27/2014	4.4	Yes	Y	J		J	86.2	0.46	mg/kg
CC-C-043-6-8-20140220	480-55087-10	POTASSIUM	2/27/2014	520	Yes	Y				172	23.0	mg/kg
CC-C-043-6-8-20140220	480-55087-10	NICKEL	2/27/2014	9.1	Yes	Y	J		J	28.7	0.26	mg/kg
CC-C-043-6-8-20140220	480-55087-10	MANGANESE	2/27/2014	162	Yes	Y	B	J	J	1.1	0.037	mg/kg
CC-C-043-6-8-20140220	480-55087-10	MAGNESIUM	2/27/2014	1660	Yes	Y				115	1.1	mg/kg
CC-C-043-6-8-20140220	480-55087-10	LEAD	2/27/2014	104	Yes	Y		J	J	5.7	0.28	mg/kg
CC-C-043-6-8-20140220	480-55087-10	BARIUM	2/27/2014	45.2	Yes	Y		J	J	2.9	0.13	mg/kg
CC-C-043-6-8-20140220	480-55087-10	IRON	2/27/2014	9940	Yes	Y	B			57.5	1.3	mg/kg
CC-C-043-6-8-20140220	480-55087-10	COBALT	2/27/2014	3.5	Yes	Y				2.9	0.057	mg/kg
CC-C-043-6-8-20140220	480-55087-10	CALCIUM	2/27/2014	3630	Yes	Y	B	J	J	287	3.8	mg/kg
CC-C-043-6-8-20140220	480-55087-10	CADMIUM	2/27/2014	0.55	Yes	Y	J		J	1.1	0.034	mg/kg
CC-C-043-6-8-20140220	480-55087-10	COPPER	2/27/2014	58.2	Yes	Y		J	J	5.7	0.24	mg/kg
CC-C-044-0-2-20140220	480-55087-13	BARIUM	2/27/2014	56.4	Yes	Y		J	J	2.6	0.11	mg/kg
CC-C-044-0-2-20140220	480-55087-13	LEAD	2/27/2014	87.5	Yes	Y		J	J	5.2	0.25	mg/kg

SDG: 480550871

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-044-0-2-20140220	480-55087-13	ALUMINUM	2/27/2014	5670	Yes	Y		J	J	52.2	4.6	mg/kg
CC-C-044-0-2-20140220	480-55087-13	ANTIMONY	2/27/2014	8.3	Yes	Y	J		J	78.3	0.42	mg/kg
CC-C-044-0-2-20140220	480-55087-13	ARSENIC	2/27/2014	10.1	Yes	Y	J		J	10.4	0.42	mg/kg
CC-C-044-0-2-20140220	480-55087-13	BERYLLIUM	2/27/2014	0.22	Yes	Y	J		J	1.0	0.029	mg/kg
CC-C-044-0-2-20140220	480-55087-13	CALCIUM	2/27/2014	7570	Yes	Y	B	J	J	261	3.4	mg/kg
CC-C-044-0-2-20140220	480-55087-13	CHROMIUM, TOTAL	2/27/2014	12.2	Yes	Y				2.6	0.21	mg/kg
CC-C-044-0-2-20140220	480-55087-13	COBALT	2/27/2014	5	Yes	Y				2.6	0.052	mg/kg
CC-C-044-0-2-20140220	480-55087-13	CADMIUM	2/27/2014	0.34	Yes	Y	J		J	1.0	0.031	mg/kg
CC-C-044-0-2-20140220	480-55087-13	IRON	2/27/2014	10600	Yes	Y	B			52.2	1.1	mg/kg
CC-C-044-0-2-20140220	480-55087-13	ZINC	2/27/2014	91.9	Yes	Y	B	J	J	10.4	0.16	mg/kg
CC-C-044-0-2-20140220	480-55087-13	MAGNESIUM	2/27/2014	4080	Yes	Y				104	0.97	mg/kg
CC-C-044-0-2-20140220	480-55087-13	MANGANESE	2/27/2014	195	Yes	Y	B	J	J	1.0	0.033	mg/kg
CC-C-044-0-2-20140220	480-55087-13	NICKEL	2/27/2014	12.9	Yes	Y	J		J	26.1	0.24	mg/kg
CC-C-044-0-2-20140220	480-55087-13	POTASSIUM	2/27/2014	576	Yes	Y				157	20.9	mg/kg
CC-C-044-0-2-20140220	480-55087-13	SELENIUM	2/27/2014	0.56	Yes	Y	J		J	20.9	0.42	mg/kg
CC-C-044-0-2-20140220	480-55087-13	SILVER	2/27/2014	0.22	Yes	Y	J		J	2.6	0.21	mg/kg
CC-C-044-0-2-20140220	480-55087-13	SODIUM	2/27/2014	101	Yes	Y	J		J	731	13.6	mg/kg
CC-C-044-0-2-20140220	480-55087-13	THALLIUM	2/27/2014		Yes	N	U		U	31.3	0.31	mg/kg
CC-C-044-0-2-20140220	480-55087-13	VANADIUM	2/27/2014	14.9	Yes	Y				2.6	0.11	mg/kg
CC-C-044-0-2-20140220	480-55087-13	COPPER	2/27/2014	26.8	Yes	Y		J	J	5.2	0.22	mg/kg
CC-C-044-4-6-20140220	480-55087-14	ARSENIC	2/27/2014	13.7	Yes	Y				11.6	0.46	mg/kg
CC-C-044-4-6-20140220	480-55087-14	IRON	2/27/2014	3740	Yes	Y	B			57.9	1.3	mg/kg
CC-C-044-4-6-20140220	480-55087-14	BERYLLIUM	2/27/2014	0.05	Yes	Y	J		J	1.2	0.032	mg/kg
CC-C-044-4-6-20140220	480-55087-14	THALLIUM	2/27/2014		Yes	N	U		U	34.7	0.35	mg/kg
CC-C-044-4-6-20140220	480-55087-14	SODIUM	2/27/2014	30.5	Yes	Y	J		J	810	15.0	mg/kg

SDG: 480550871

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-044-4-6-20140220	480-55087-14	SILVER	2/27/2014		Yes	N	U		U	2.9	0.23	mg/kg
CC-C-044-4-6-20140220	480-55087-14	SELENIUM	2/27/2014		Yes	N	U		U	23.2	0.46	mg/kg
CC-C-044-4-6-20140220	480-55087-14	POTASSIUM	2/27/2014	155	Yes	Y	J		J	174	23.2	mg/kg
CC-C-044-4-6-20140220	480-55087-14	NICKEL	2/27/2014	0.79	Yes	Y	J		J	28.9	0.27	mg/kg
CC-C-044-4-6-20140220	480-55087-14	MANGANESE	2/27/2014	82.9	Yes	Y	B	J	J	1.2	0.037	mg/kg
CC-C-044-4-6-20140220	480-55087-14	VANADIUM	2/27/2014	2.3	Yes	Y	J		J	2.9	0.13	mg/kg
CC-C-044-4-6-20140220	480-55087-14	LEAD	2/27/2014	2.4	Yes	Y	J	J	J	5.8	0.28	mg/kg
CC-C-044-4-6-20140220	480-55087-14	ZINC	2/27/2014	10.8	Yes	Y	BJ	UJ	UJ	11.6	0.18	mg/kg
CC-C-044-4-6-20140220	480-55087-14	COPPER	2/27/2014	2.5	Yes	Y	J	J	J	5.8	0.24	mg/kg
CC-C-044-4-6-20140220	480-55087-14	COBALT	2/27/2014	0.34	Yes	Y	J		J	2.9	0.058	mg/kg
CC-C-044-4-6-20140220	480-55087-14	CHROMIUM, TOTAL	2/27/2014	2.6	Yes	Y	J		J	2.9	0.23	mg/kg
CC-C-044-4-6-20140220	480-55087-14	CALCIUM	2/27/2014	500	Yes	Y	B	J	J	289	3.8	mg/kg
CC-C-044-4-6-20140220	480-55087-14	CADMIUM	2/27/2014	0.043	Yes	Y	J		J	1.2	0.035	mg/kg
CC-C-044-4-6-20140220	480-55087-14	BARIUM	2/27/2014	7.7	Yes	Y		J	J	2.9	0.13	mg/kg
CC-C-044-4-6-20140220	480-55087-14	ANTIMONY	2/27/2014	0.67	Yes	Y	J		J	86.8	0.46	mg/kg
CC-C-044-4-6-20140220	480-55087-14	ALUMINUM	2/27/2014	761	Yes	Y		J	J	57.9	5.1	mg/kg
CC-C-044-4-6-20140220	480-55087-14	MAGNESIUM	2/27/2014	192	Yes	Y				116	1.1	mg/kg
CC-C-044-8-10-20140220	480-55087-16	IRON	2/27/2014	2680	Yes	Y	B			60.1	1.3	mg/kg
CC-C-044-8-10-20140220	480-55087-16	SODIUM	2/27/2014	30.1	Yes	Y	J		J	841	15.6	mg/kg
CC-C-044-8-10-20140220	480-55087-16	THALLIUM	2/27/2014		Yes	N	U		U	36.0	0.36	mg/kg
CC-C-044-8-10-20140220	480-55087-16	VANADIUM	2/27/2014	3.2	Yes	Y				3.0	0.13	mg/kg
CC-C-044-8-10-20140220	480-55087-16	ZINC	2/27/2014	3.6	Yes	Y	BJ	UJ	UJ	12.0	0.18	mg/kg
CC-C-044-8-10-20140220	480-55087-16	SELENIUM	2/27/2014		Yes	N	U		U	24.0	0.48	mg/kg
CC-C-044-8-10-20140220	480-55087-16	POTASSIUM	2/27/2014	196	Yes	Y				180	24.0	mg/kg
CC-C-044-8-10-20140220	480-55087-16	NICKEL	2/27/2014	1.5	Yes	Y	J		J	30.0	0.28	mg/kg

SDG: 480550871

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-044-8-10-20140220	480-55087-16	MANGANESE	2/27/2014	51.7	Yes	Y	B	J	J	1.2	0.038	mg/kg
CC-C-044-8-10-20140220	480-55087-16	ALUMINUM	2/27/2014	728	Yes	Y		J	J	60.1	5.3	mg/kg
CC-C-044-8-10-20140220	480-55087-16	LEAD	2/27/2014	1.8	Yes	Y	J	J	J	6.0	0.29	mg/kg
CC-C-044-8-10-20140220	480-55087-16	SILVER	2/27/2014		Yes	N	U		U	3.0	0.24	mg/kg
CC-C-044-8-10-20140220	480-55087-16	COPPER	2/27/2014	14.2	Yes	Y		J	J	6.0	0.25	mg/kg
CC-C-044-8-10-20140220	480-55087-16	COBALT	2/27/2014	0.82	Yes	Y	J		J	3.0	0.060	mg/kg
CC-C-044-8-10-20140220	480-55087-16	CHROMIUM, TOTAL	2/27/2014	3.2	Yes	Y				3.0	0.24	mg/kg
CC-C-044-8-10-20140220	480-55087-16	CALCIUM	2/27/2014	855	Yes	Y	B	J	J	300	4.0	mg/kg
CC-C-044-8-10-20140220	480-55087-16	CADMIUM	2/27/2014	0.043	Yes	Y	J		J	1.2	0.036	mg/kg
CC-C-044-8-10-20140220	480-55087-16	BERYLLIUM	2/27/2014	0.036	Yes	Y	J		J	1.2	0.034	mg/kg
CC-C-044-8-10-20140220	480-55087-16	BARIUM	2/27/2014	3.5	Yes	Y		J	J	3.0	0.13	mg/kg
CC-C-044-8-10-20140220	480-55087-16	ARSENIC	2/27/2014	50.6	Yes	Y				12.0	0.48	mg/kg
CC-C-044-8-10-20140220	480-55087-16	ANTIMONY	2/27/2014	0.98	Yes	Y	J		J	90.1	0.48	mg/kg
CC-C-044-8-10-20140220	480-55087-16	MAGNESIUM	2/27/2014	413	Yes	Y				120	1.1	mg/kg
CC-C-045-0-2-20140220	480-55087-18	SILVER	2/27/2014	0.3	Yes	Y	J		J	2.8	0.23	mg/kg
CC-C-045-0-2-20140220	480-55087-18	ARSENIC	2/27/2014	5	Yes	Y	J		J	11.4	0.46	mg/kg
CC-C-045-0-2-20140220	480-55087-18	MAGNESIUM	2/27/2014	1820	Yes	Y				114	1.1	mg/kg
CC-C-045-0-2-20140220	480-55087-18	MANGANESE	2/27/2014	184	Yes	Y	B	J	J	1.1	0.036	mg/kg
CC-C-045-0-2-20140220	480-55087-18	NICKEL	2/27/2014	9.9	Yes	Y	J		J	28.5	0.26	mg/kg
CC-C-045-0-2-20140220	480-55087-18	LEAD	2/27/2014	81.6	Yes	Y		J	J	5.7	0.27	mg/kg
CC-C-045-0-2-20140220	480-55087-18	IRON	2/27/2014	10500	Yes	Y	B			56.9	1.3	mg/kg
CC-C-045-0-2-20140220	480-55087-18	COPPER	2/27/2014	24.3	Yes	Y		J	J	5.7	0.24	mg/kg
CC-C-045-0-2-20140220	480-55087-18	COBALT	2/27/2014	3.9	Yes	Y				2.8	0.057	mg/kg
CC-C-045-0-2-20140220	480-55087-18	CHROMIUM, TOTAL	2/27/2014	14.8	Yes	Y				2.8	0.23	mg/kg
CC-C-045-0-2-20140220	480-55087-18	CALCIUM	2/27/2014	3960	Yes	Y	B	J	J	285	3.8	mg/kg

SDG: 480550871

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-045-0-2-20140220	480-55087-18	CADMIUM	2/27/2014	0.4	Yes	Y	J		J	1.1	0.034	mg/kg
CC-C-045-0-2-20140220	480-55087-18	BARIUM	2/27/2014	54	Yes	Y		J	J	2.8	0.13	mg/kg
CC-C-045-0-2-20140220	480-55087-18	ANTIMONY	2/27/2014	2.7	Yes	Y	J		J	85.4	0.46	mg/kg
CC-C-045-0-2-20140220	480-55087-18	ALUMINUM	2/27/2014	4730	Yes	Y		J	J	56.9	5.0	mg/kg
CC-C-045-0-2-20140220	480-55087-18	SELENIUM	2/27/2014	0.54	Yes	Y	J		J	22.8	0.46	mg/kg
CC-C-045-0-2-20140220	480-55087-18	THALLIUM	2/27/2014		Yes	N	U		U	34.2	0.34	mg/kg
CC-C-045-0-2-20140220	480-55087-18	ZINC	2/27/2014	76.9	Yes	Y	B	J	J	11.4	0.17	mg/kg
CC-C-045-0-2-20140220	480-55087-18	VANADIUM	2/27/2014	13.5	Yes	Y				2.8	0.13	mg/kg
CC-C-045-0-2-20140220	480-55087-18	BERYLLIUM	2/27/2014	0.22	Yes	Y	J		J	1.1	0.032	mg/kg
CC-C-045-0-2-20140220	480-55087-18	SODIUM	2/27/2014	67.3	Yes	Y	J		J	797	14.8	mg/kg
CC-C-045-0-2-20140220	480-55087-18	POTASSIUM	2/27/2014	553	Yes	Y				171	22.8	mg/kg
CC-C-045-4-6-20140220	480-55087-19	LEAD	2/27/2014	87	Yes	Y		J	J	6.0	0.29	mg/kg
CC-C-045-4-6-20140220	480-55087-19	CALCIUM	2/27/2014	9110	Yes	Y	B	J	J	301	4.0	mg/kg
CC-C-045-4-6-20140220	480-55087-19	CHROMIUM, TOTAL	2/27/2014	12.7	Yes	Y				3.0	0.24	mg/kg
CC-C-045-4-6-20140220	480-55087-19	COBALT	2/27/2014	4.2	Yes	Y				3.0	0.060	mg/kg
CC-C-045-4-6-20140220	480-55087-19	COPPER	2/27/2014	21.8	Yes	Y		J	J	6.0	0.25	mg/kg
CC-C-045-4-6-20140220	480-55087-19	MAGNESIUM	2/27/2014	3760	Yes	Y				120	1.1	mg/kg
CC-C-045-4-6-20140220	480-55087-19	NICKEL	2/27/2014	11.1	Yes	Y	J		J	30.1	0.28	mg/kg
CC-C-045-4-6-20140220	480-55087-19	ZINC	2/27/2014	75.2	Yes	Y	B	J	J	12.0	0.18	mg/kg
CC-C-045-4-6-20140220	480-55087-19	IRON	2/27/2014	10700	Yes	Y	B			60.2	1.3	mg/kg
CC-C-045-4-6-20140220	480-55087-19	SILVER	2/27/2014		Yes	N	U		U	3.0	0.24	mg/kg
CC-C-045-4-6-20140220	480-55087-19	VANADIUM	2/27/2014	15.9	Yes	Y				3.0	0.13	mg/kg
CC-C-045-4-6-20140220	480-55087-19	SELENIUM	2/27/2014		Yes	N	U		U	24.1	0.48	mg/kg
CC-C-045-4-6-20140220	480-55087-19	MANGANESE	2/27/2014	168	Yes	Y	B	J	J	1.2	0.038	mg/kg
CC-C-045-4-6-20140220	480-55087-19	CADMIUM	2/27/2014	0.25	Yes	Y	J		J	1.2	0.036	mg/kg

SDG: 480550871

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-045-4-6-20140220	480-55087-19	THALLIUM	2/27/2014		Yes	N	U		U	36.1	0.36	mg/kg
CC-C-045-4-6-20140220	480-55087-19	SODIUM	2/27/2014	72.3	Yes	Y	J		J	842	15.6	mg/kg
CC-C-045-4-6-20140220	480-55087-19	POTASSIUM	2/27/2014	609	Yes	Y				180	24.1	mg/kg
CC-C-045-4-6-20140220	480-55087-19	BARIUM	2/27/2014	58.7	Yes	Y		J	J	3.0	0.13	mg/kg
CC-C-045-4-6-20140220	480-55087-19	ARSENIC	2/27/2014	4.2	Yes	Y	J		J	12.0	0.48	mg/kg
CC-C-045-4-6-20140220	480-55087-19	ANTIMONY	2/27/2014		Yes	N	U		U	90.2	0.48	mg/kg
CC-C-045-4-6-20140220	480-55087-19	ALUMINUM	2/27/2014	5600	Yes	Y		J	J	60.2	5.3	mg/kg
CC-C-045-4-6-20140220	480-55087-19	BERYLLIUM	2/27/2014	0.22	Yes	Y	J		J	1.2	0.034	mg/kg
CC-C-045-8-10-20140220	480-55087-21	MAGNESIUM	2/27/2014	2740	Yes	Y				115	1.1	mg/kg
CC-C-045-8-10-20140220	480-55087-21	ALUMINUM	2/27/2014	4950	Yes	Y		J	J	57.6	5.1	mg/kg
CC-C-045-8-10-20140220	480-55087-21	ANTIMONY	2/27/2014	0.92	Yes	Y	J		J	86.4	0.46	mg/kg
CC-C-045-8-10-20140220	480-55087-21	ARSENIC	2/27/2014	7.5	Yes	Y	J		J	11.5	0.46	mg/kg
CC-C-045-8-10-20140220	480-55087-21	BARIUM	2/27/2014	51.2	Yes	Y		J	J	2.9	0.13	mg/kg
CC-C-045-8-10-20140220	480-55087-21	BERYLLIUM	2/27/2014	0.19	Yes	Y	J		J	1.2	0.032	mg/kg
CC-C-045-8-10-20140220	480-55087-21	CADMIUM	2/27/2014	0.23	Yes	Y	J		J	1.2	0.035	mg/kg
CC-C-045-8-10-20140220	480-55087-21	CALCIUM	2/27/2014	6920	Yes	Y	B	J	J	288	3.8	mg/kg
CC-C-045-8-10-20140220	480-55087-21	CHROMIUM, TOTAL	2/27/2014	11.7	Yes	Y				2.9	0.23	mg/kg
CC-C-045-8-10-20140220	480-55087-21	COBALT	2/27/2014	3.5	Yes	Y				2.9	0.058	mg/kg
CC-C-045-8-10-20140220	480-55087-21	COPPER	2/27/2014	22.8	Yes	Y		J	J	5.8	0.24	mg/kg
CC-C-045-8-10-20140220	480-55087-21	ZINC	2/27/2014	55	Yes	Y	B	J	J	11.5	0.18	mg/kg
CC-C-045-8-10-20140220	480-55087-21	LEAD	2/27/2014	58.3	Yes	Y		J	J	5.8	0.28	mg/kg
CC-C-045-8-10-20140220	480-55087-21	SELENIUM	2/27/2014		Yes	N	U		U	23.0	0.46	mg/kg
CC-C-045-8-10-20140220	480-55087-21	MANGANESE	2/27/2014	136	Yes	Y	B	J	J	1.2	0.037	mg/kg
CC-C-045-8-10-20140220	480-55087-21	NICKEL	2/27/2014	10.1	Yes	Y	J		J	28.8	0.26	mg/kg
CC-C-045-8-10-20140220	480-55087-21	POTASSIUM	2/27/2014	664	Yes	Y				173	23.0	mg/kg

SDG: 480550871

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-045-8-10-20140220	480-55087-21	SILVER	2/27/2014		Yes	N	U		U	2.9	0.23	mg/kg
CC-C-045-8-10-20140220	480-55087-21	THALLIUM	2/27/2014		Yes	N	U		U	34.6	0.35	mg/kg
CC-C-045-8-10-20140220	480-55087-21	VANADIUM	2/27/2014	14.2	Yes	Y				2.9	0.13	mg/kg
CC-C-045-8-10-20140220	480-55087-21	IRON	2/27/2014	9750	Yes	Y	B			57.6	1.3	mg/kg
CC-C-045-8-10-20140220	480-55087-21	SODIUM	2/27/2014	66.1	Yes	Y	J		J	806	15.0	mg/kg
CC-C-046-0-2-20140220	480-55087-25	NICKEL	2/27/2014	14.8	Yes	Y	J		J	26.3	0.24	mg/kg
CC-C-046-0-2-20140220	480-55087-25	VANADIUM	2/27/2014	17.1	Yes	Y				2.6	0.12	mg/kg
CC-C-046-0-2-20140220	480-55087-25	THALLIUM	2/27/2014		Yes	N	U		U	31.5	0.32	mg/kg
CC-C-046-0-2-20140220	480-55087-25	SODIUM	2/27/2014	112	Yes	Y	J		J	735	13.7	mg/kg
CC-C-046-0-2-20140220	480-55087-25	SILVER	2/27/2014		Yes	N	U		U	2.6	0.21	mg/kg
CC-C-046-0-2-20140220	480-55087-25	POTASSIUM	2/27/2014	630	Yes	Y				158	21.0	mg/kg
CC-C-046-0-2-20140220	480-55087-25	ZINC	2/27/2014	114	Yes	Y	B	J	J	10.5	0.16	mg/kg
CC-C-046-0-2-20140220	480-55087-25	CALCIUM	2/27/2014	12500	Yes	Y	B	J	J	263	3.5	mg/kg
CC-C-046-0-2-20140220	480-55087-25	MANGANESE	2/27/2014	228	Yes	Y	B	J	J	1.1	0.034	mg/kg
CC-C-046-0-2-20140220	480-55087-25	MAGNESIUM	2/27/2014	5110	Yes	Y				105	0.97	mg/kg
CC-C-046-0-2-20140220	480-55087-25	BERYLLIUM	2/27/2014	0.26	Yes	Y	J		J	1.1	0.029	mg/kg
CC-C-046-0-2-20140220	480-55087-25	SELENIUM	2/27/2014	0.42	Yes	Y	J		J	21.0	0.42	mg/kg
CC-C-046-0-2-20140220	480-55087-25	CADMIUM	2/27/2014	0.36	Yes	Y	J		J	1.1	0.032	mg/kg
CC-C-046-0-2-20140220	480-55087-25	LEAD	2/27/2014	123	Yes	Y		J	J	5.3	0.25	mg/kg
CC-C-046-0-2-20140220	480-55087-25	BARIUM	2/27/2014	102	Yes	Y		J	J	2.6	0.12	mg/kg
CC-C-046-0-2-20140220	480-55087-25	ARSENIC	2/27/2014	4.2	Yes	Y	J		J	10.5	0.42	mg/kg
CC-C-046-0-2-20140220	480-55087-25	ANTIMONY	2/27/2014		Yes	N	U		U	78.8	0.42	mg/kg
CC-C-046-0-2-20140220	480-55087-25	ALUMINUM	2/27/2014	6910	Yes	Y		J	J	52.5	4.6	mg/kg
CC-C-046-0-2-20140220	480-55087-25	CHROMIUM, TOTAL	2/27/2014	14.2	Yes	Y				2.6	0.21	mg/kg
CC-C-046-0-2-20140220	480-55087-25	COBALT	2/27/2014	5.6	Yes	Y				2.6	0.053	mg/kg

SDG: 480550871

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-046-0-2-20140220	480-55087-25	COPPER	2/27/2014	41.2	Yes	Y		J	J	5.3	0.22	mg/kg
CC-C-046-0-2-20140220	480-55087-25	IRON	2/27/2014	12100	Yes	Y	B			52.5	1.2	mg/kg
CC-C-046-4-6-20140220	480-55087-26	COBALT	2/27/2014	5	Yes	Y				2.8	0.056	mg/kg
CC-C-046-4-6-20140220	480-55087-26	MANGANESE	2/27/2014	196	Yes	Y	B			1.1	0.036	mg/kg
CC-C-046-4-6-20140220	480-55087-26	ANTIMONY	2/27/2014	0.59	Yes	Y	J	J	J	84.7	0.45	mg/kg
CC-C-046-4-6-20140220	480-55087-26	ARSENIC	2/27/2014	4.7	Yes	Y	J		J	11.3	0.45	mg/kg
CC-C-046-4-6-20140220	480-55087-26	BARIUM	2/27/2014	133	Yes	Y				2.8	0.12	mg/kg
CC-C-046-4-6-20140220	480-55087-26	BERYLLIUM	2/27/2014	0.27	Yes	Y	J		J	1.1	0.032	mg/kg
CC-C-046-4-6-20140220	480-55087-26	CADMIUM	2/27/2014	0.33	Yes	Y	J		J	1.1	0.034	mg/kg
CC-C-046-4-6-20140220	480-55087-26	CALCIUM	2/27/2014	9730	Yes	Y	B			282	3.7	mg/kg
CC-C-046-4-6-20140220	480-55087-26	CHROMIUM, TOTAL	2/27/2014	27.4	Yes	Y		J	J	2.8	0.23	mg/kg
CC-C-046-4-6-20140220	480-55087-26	ZINC	2/27/2014	108	Yes	Y	B			11.3	0.17	mg/kg
CC-C-046-4-6-20140220	480-55087-26	ALUMINUM	2/27/2014	6120	Yes	Y		J	J	56.4	5.0	mg/kg
CC-C-046-4-6-20140220	480-55087-26	MAGNESIUM	2/27/2014	2920	Yes	Y	B	J	J	113	1.0	mg/kg
CC-C-046-4-6-20140220	480-55087-26	LEAD	2/27/2014	94.7	Yes	Y		J	J	5.6	0.27	mg/kg
CC-C-046-4-6-20140220	480-55087-26	IRON	2/27/2014	11100	Yes	Y	B			56.4	1.2	mg/kg
CC-C-046-4-6-20140220	480-55087-26	NICKEL	2/27/2014	13.7	Yes	Y	J		J	28.2	0.26	mg/kg
CC-C-046-4-6-20140220	480-55087-26	POTASSIUM	2/27/2014	708	Yes	Y				169	22.6	mg/kg
CC-C-046-4-6-20140220	480-55087-26	VANADIUM	2/27/2014	17.7	Yes	Y				2.8	0.12	mg/kg
CC-C-046-4-6-20140220	480-55087-26	COPPER	2/27/2014	47.8	Yes	Y		J	J	5.6	0.24	mg/kg
CC-C-046-4-6-20140220	480-55087-26	SODIUM	2/27/2014	185	Yes	Y	J		J	790	14.7	mg/kg
CC-C-046-4-6-20140220	480-55087-26	THALLIUM	2/27/2014		Yes	N	U		U	33.9	0.34	mg/kg
CC-C-046-4-6-20140220	480-55087-26	SILVER	2/27/2014		Yes	N	U		U	2.8	0.23	mg/kg
CC-C-046-4-6-20140220	480-55087-26	SELENIUM	2/27/2014		Yes	N	U		U	22.6	0.45	mg/kg
CC-C-046-8-10-20140220	480-55087-28	COPPER	2/27/2014	27.4	Yes	Y		J	J	5.8	0.24	mg/kg

SDG: 480550871

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-046-8-10-20140220	480-55087-28	LEAD	2/27/2014	80.4	Yes	Y		J	J	5.8	0.28	mg/kg
CC-C-046-8-10-20140220	480-55087-28	CALCIUM	2/27/2014	10100	Yes	Y	B			291	3.8	mg/kg
CC-C-046-8-10-20140220	480-55087-28	MANGANESE	2/27/2014	155	Yes	Y	B			1.2	0.037	mg/kg
CC-C-046-8-10-20140220	480-55087-28	IRON	2/27/2014	9480	Yes	Y	B			58.2	1.3	mg/kg
CC-C-046-8-10-20140220	480-55087-28	CHROMIUM, TOTAL	2/27/2014	11.4	Yes	Y		J	J	2.9	0.23	mg/kg
CC-C-046-8-10-20140220	480-55087-28	NICKEL	2/27/2014	10.9	Yes	Y	J		J	29.1	0.27	mg/kg
CC-C-046-8-10-20140220	480-55087-28	CADMIUM	2/27/2014	0.35	Yes	Y	J		J	1.2	0.035	mg/kg
CC-C-046-8-10-20140220	480-55087-28	BERYLLIUM	2/27/2014	0.19	Yes	Y	J		J	1.2	0.033	mg/kg
CC-C-046-8-10-20140220	480-55087-28	BARIUM	2/27/2014	72.8	Yes	Y				2.9	0.13	mg/kg
CC-C-046-8-10-20140220	480-55087-28	ARSENIC	2/27/2014	5.5	Yes	Y	J		J	11.6	0.47	mg/kg
CC-C-046-8-10-20140220	480-55087-28	ANTIMONY	2/27/2014	3.2	Yes	Y	J	J	J	87.3	0.47	mg/kg
CC-C-046-8-10-20140220	480-55087-28	ALUMINUM	2/27/2014	5700	Yes	Y		J	J	58.2	5.1	mg/kg
CC-C-046-8-10-20140220	480-55087-28	COBALT	2/27/2014	4.6	Yes	Y				2.9	0.058	mg/kg
CC-C-046-8-10-20140220	480-55087-28	SELENIUM	2/27/2014		Yes	N	U		U	23.3	0.47	mg/kg
CC-C-046-8-10-20140220	480-55087-28	SILVER	2/27/2014	0.28	Yes	Y	J		J	2.9	0.23	mg/kg
CC-C-046-8-10-20140220	480-55087-28	SODIUM	2/27/2014	120	Yes	Y	J		J	815	15.1	mg/kg
CC-C-046-8-10-20140220	480-55087-28	THALLIUM	2/27/2014		Yes	N	U		U	34.9	0.35	mg/kg
CC-C-046-8-10-20140220	480-55087-28	VANADIUM	2/27/2014	13.7	Yes	Y				2.9	0.13	mg/kg
CC-C-046-8-10-20140220	480-55087-28	ZINC	2/27/2014	69.3	Yes	Y	B			11.6	0.18	mg/kg
CC-C-046-8-10-20140220	480-55087-28	MAGNESIUM	2/27/2014	3160	Yes	Y	B	J	J	116	1.1	mg/kg
CC-C-046-8-10-20140220	480-55087-28	POTASSIUM	2/27/2014	610	Yes	Y				175	23.3	mg/kg
CC-C-047-0-2-20140220	480-55087-29	ALUMINUM	2/27/2014	5470	Yes	Y		J	J	57.7	5.1	mg/kg
CC-C-047-0-2-20140220	480-55087-29	THALLIUM	2/27/2014		Yes	N	U		U	34.6	0.35	mg/kg
CC-C-047-0-2-20140220	480-55087-29	SODIUM	2/27/2014	73	Yes	Y	J		J	808	15.0	mg/kg
CC-C-047-0-2-20140220	480-55087-29	SILVER	2/27/2014		Yes	N	U		U	2.9	0.23	mg/kg

SDG: 480550871

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-047-0-2-20140220	480-55087-29	SELENIUM	2/27/2014		Yes	N	U		U	23.1	0.46	mg/kg
CC-C-047-0-2-20140220	480-55087-29	POTASSIUM	2/27/2014	566	Yes	Y				173	23.1	mg/kg
CC-C-047-0-2-20140220	480-55087-29	VANADIUM	2/27/2014	18.3	Yes	Y				2.9	0.13	mg/kg
CC-C-047-0-2-20140220	480-55087-29	ARSENIC	2/27/2014	4.5	Yes	Y	J		J	11.5	0.46	mg/kg
CC-C-047-0-2-20140220	480-55087-29	CALCIUM	2/27/2014	16800	Yes	Y	B			288	3.8	mg/kg
CC-C-047-0-2-20140220	480-55087-29	ANTIMONY	2/27/2014		Yes	N	U	UJ	UJ	86.5	0.46	mg/kg
CC-C-047-0-2-20140220	480-55087-29	NICKEL	2/27/2014	11	Yes	Y	J		J	28.8	0.27	mg/kg
CC-C-047-0-2-20140220	480-55087-29	ZINC	2/27/2014	71.6	Yes	Y	B			11.5	0.18	mg/kg
CC-C-047-0-2-20140220	480-55087-29	BARIUM	2/27/2014	70.7	Yes	Y				2.9	0.13	mg/kg
CC-C-047-0-2-20140220	480-55087-29	CADMIUM	2/27/2014	0.29	Yes	Y	J		J	1.2	0.035	mg/kg
CC-C-047-0-2-20140220	480-55087-29	CHROMIUM, TOTAL	2/27/2014	12.5	Yes	Y		J	J	2.9	0.23	mg/kg
CC-C-047-0-2-20140220	480-55087-29	COBALT	2/27/2014	4	Yes	Y				2.9	0.058	mg/kg
CC-C-047-0-2-20140220	480-55087-29	COPPER	2/27/2014	21.9	Yes	Y		J	J	5.8	0.24	mg/kg
CC-C-047-0-2-20140220	480-55087-29	IRON	2/27/2014	10600	Yes	Y	B			57.7	1.3	mg/kg
CC-C-047-0-2-20140220	480-55087-29	LEAD	2/27/2014	97.3	Yes	Y		J	J	5.8	0.28	mg/kg
CC-C-047-0-2-20140220	480-55087-29	MAGNESIUM	2/27/2014	8800	Yes	Y	B	J	J	115	1.1	mg/kg
CC-C-047-0-2-20140220	480-55087-29	MANGANESE	2/27/2014	182	Yes	Y	B			1.2	0.037	mg/kg
CC-C-047-0-2-20140220	480-55087-29	BERYLLIUM	2/27/2014	0.27	Yes	Y	J		J	1.2	0.032	mg/kg
CC-C-047-2-4-20140220	480-55087-30	COBALT	2/27/2014	6.7	Yes	Y				3.0	0.060	mg/kg
CC-C-047-2-4-20140220	480-55087-30	LEAD	2/27/2014	150	Yes	Y		J	J	6.0	0.29	mg/kg
CC-C-047-2-4-20140220	480-55087-30	ALUMINUM	2/27/2014	6660	Yes	Y		J	J	60.2	5.3	mg/kg
CC-C-047-2-4-20140220	480-55087-30	ANTIMONY	2/27/2014		Yes	N	U	UJ	UJ	90.2	0.48	mg/kg
CC-C-047-2-4-20140220	480-55087-30	ARSENIC	2/27/2014	4.4	Yes	Y	J		J	12.0	0.48	mg/kg
CC-C-047-2-4-20140220	480-55087-30	BARIUM	2/27/2014	90.2	Yes	Y				3.0	0.13	mg/kg
CC-C-047-2-4-20140220	480-55087-30	BERYLLIUM	2/27/2014	0.4	Yes	Y	J		J	1.2	0.034	mg/kg

SDG: 480550871

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-047-2-4-20140220	480-55087-30	CADMIUM	2/27/2014	0.28	Yes	Y	J		J	1.2	0.036	mg/kg
CC-C-047-2-4-20140220	480-55087-30	CALCIUM	2/27/2014	10500	Yes	Y	B			301	4.0	mg/kg
CC-C-047-2-4-20140220	480-55087-30	CHROMIUM, TOTAL	2/27/2014	17.7	Yes	Y		J	J	3.0	0.24	mg/kg
CC-C-047-2-4-20140220	480-55087-30	IRON	2/27/2014	13300	Yes	Y	B			60.2	1.3	mg/kg
CC-C-047-2-4-20140220	480-55087-30	COPPER	2/27/2014	71.3	Yes	Y		J	J	6.0	0.25	mg/kg
CC-C-047-2-4-20140220	480-55087-30	MAGNESIUM	2/27/2014	4880	Yes	Y	B	J	J	120	1.1	mg/kg
CC-C-047-2-4-20140220	480-55087-30	MANGANESE	2/27/2014	218	Yes	Y	B			1.2	0.038	mg/kg
CC-C-047-2-4-20140220	480-55087-30	SILVER	2/27/2014		Yes	N	U		U	3.0	0.24	mg/kg
CC-C-047-2-4-20140220	480-55087-30	NICKEL	2/27/2014	19.6	Yes	Y	J		J	30.1	0.28	mg/kg
CC-C-047-2-4-20140220	480-55087-30	VANADIUM	2/27/2014	19.1	Yes	Y				3.0	0.13	mg/kg
CC-C-047-2-4-20140220	480-55087-30	SODIUM	2/27/2014	90.1	Yes	Y	J		J	842	15.6	mg/kg
CC-C-047-2-4-20140220	480-55087-30	ZINC	2/27/2014	544	Yes	Y	B			12.0	0.18	mg/kg
CC-C-047-2-4-20140220	480-55087-30	SELENIUM	2/27/2014		Yes	N	U		U	24.1	0.48	mg/kg
CC-C-047-2-4-20140220	480-55087-30	THALLIUM	2/27/2014		Yes	N	U		U	36.1	0.36	mg/kg
CC-C-047-2-4-20140220	480-55087-30	POTASSIUM	2/27/2014	722	Yes	Y				180	24.1	mg/kg
CC-C-047-8-10-20140220	480-55087-31	BERYLLIUM	2/27/2014	0.21	Yes	Y	J		J	1.1	0.030	mg/kg
CC-C-047-8-10-20140220	480-55087-31	SELENIUM	2/27/2014		Yes	N	U		U	21.3	0.43	mg/kg
CC-C-047-8-10-20140220	480-55087-31	SILVER	2/27/2014		Yes	N	U		U	2.7	0.21	mg/kg
CC-C-047-8-10-20140220	480-55087-31	SODIUM	2/27/2014	51.7	Yes	Y	J		J	745	13.8	mg/kg
CC-C-047-8-10-20140220	480-55087-31	THALLIUM	2/27/2014		Yes	N	U		U	31.9	0.32	mg/kg
CC-C-047-8-10-20140220	480-55087-31	VANADIUM	2/27/2014	13.5	Yes	Y				2.7	0.12	mg/kg
CC-C-047-8-10-20140220	480-55087-31	ZINC	2/27/2014	68.5	Yes	Y	B			10.6	0.16	mg/kg
CC-C-047-8-10-20140220	480-55087-31	CADMIUM	2/27/2014	0.18	Yes	Y	J		J	1.1	0.032	mg/kg
CC-C-047-8-10-20140220	480-55087-31	ALUMINUM	2/27/2014	4940	Yes	Y		J	J	53.2	4.7	mg/kg
CC-C-047-8-10-20140220	480-55087-31	POTASSIUM	2/27/2014	492	Yes	Y				160	21.3	mg/kg

SDG: 480550871

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-047-8-10-20140220	480-55087-31	BARIUM	2/27/2014	72.2	Yes	Y				2.7	0.12	mg/kg
CC-C-047-8-10-20140220	480-55087-31	ANTIMONY	2/27/2014		Yes	N	U	UJ	UJ	79.8	0.43	mg/kg
CC-C-047-8-10-20140220	480-55087-31	NICKEL	2/27/2014	11.5	Yes	Y	J		J	26.6	0.24	mg/kg
CC-C-047-8-10-20140220	480-55087-31	MANGANESE	2/27/2014	120	Yes	Y	B			1.1	0.034	mg/kg
CC-C-047-8-10-20140220	480-55087-31	MAGNESIUM	2/27/2014	1890	Yes	Y	B	J	J	106	0.99	mg/kg
CC-C-047-8-10-20140220	480-55087-31	LEAD	2/27/2014	88.7	Yes	Y		J	J	5.3	0.26	mg/kg
CC-C-047-8-10-20140220	480-55087-31	IRON	2/27/2014	9350	Yes	Y	B			53.2	1.2	mg/kg
CC-C-047-8-10-20140220	480-55087-31	COPPER	2/27/2014	20.5	Yes	Y		J	J	5.3	0.22	mg/kg
CC-C-047-8-10-20140220	480-55087-31	COBALT	2/27/2014	3.5	Yes	Y				2.7	0.053	mg/kg
CC-C-047-8-10-20140220	480-55087-31	CHROMIUM, TOTAL	2/27/2014	9.7	Yes	Y		J	J	2.7	0.21	mg/kg
CC-C-047-8-10-20140220	480-55087-31	CALCIUM	2/27/2014	4360	Yes	Y	B			266	3.5	mg/kg
CC-C-047-8-10-20140220	480-55087-31	ARSENIC	2/27/2014	3.1	Yes	Y	J		J	10.6	0.43	mg/kg
DUP026-20140220	480-55087-12	CALCIUM	2/27/2014	13700	Yes	Y	B	J	J	280	3.7	mg/kg
DUP026-20140220	480-55087-12	ALUMINUM	2/27/2014	4910	Yes	Y		J	J	56.0	4.9	mg/kg
DUP026-20140220	480-55087-12	ANTIMONY	2/27/2014	11	Yes	Y	J		J	84.1	0.45	mg/kg
DUP026-20140220	480-55087-12	ARSENIC	2/27/2014	16.1	Yes	Y				11.2	0.45	mg/kg
DUP026-20140220	480-55087-12	BARIUM	2/27/2014	61.2	Yes	Y		J	J	2.8	0.12	mg/kg
DUP026-20140220	480-55087-12	BERYLLIUM	2/27/2014	0.21	Yes	Y	J		J	1.1	0.031	mg/kg
DUP026-20140220	480-55087-12	CADMIUM	2/27/2014	0.76	Yes	Y	J		J	1.1	0.034	mg/kg
DUP026-20140220	480-55087-12	IRON	2/27/2014	9460	Yes	Y	B	J	J	56.0	1.2	mg/kg
DUP026-20140220	480-55087-12	MAGNESIUM	2/27/2014	4020	Yes	Y				112	1.0	mg/kg
DUP026-20140220	480-55087-12	COPPER	2/27/2014	43.5	Yes	Y		J	J	5.6	0.24	mg/kg
DUP026-20140220	480-55087-12	MANGANESE	2/27/2014	261	Yes	Y	B	J	J	1.1	0.036	mg/kg
DUP026-20140220	480-55087-12	NICKEL	2/27/2014	10.2	Yes	Y	J		J	28.0	0.26	mg/kg
DUP026-20140220	480-55087-12	POTASSIUM	2/27/2014	853	Yes	Y				168	22.4	mg/kg

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Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP026-20140220	480-55087-12	SELENIUM	2/27/2014	1.3	Yes	Y	J		J	22.4	0.45	mg/kg
DUP026-20140220	480-55087-12	SILVER	2/27/2014	0.69	Yes	Y	J		J	2.8	0.22	mg/kg
DUP026-20140220	480-55087-12	SODIUM	2/27/2014	129	Yes	Y	J		J	785	14.6	mg/kg
DUP026-20140220	480-55087-12	THALLIUM	2/27/2014		Yes	N	U		U	33.6	0.34	mg/kg
DUP026-20140220	480-55087-12	VANADIUM	2/27/2014	14.7	Yes	Y				2.8	0.12	mg/kg
DUP026-20140220	480-55087-12	ZINC	2/27/2014	98.6	Yes	Y	B	J	J	11.2	0.17	mg/kg
DUP026-20140220	480-55087-12	CHROMIUM, TOTAL	2/27/2014	11.8	Yes	Y				2.8	0.22	mg/kg
DUP026-20140220	480-55087-12	LEAD	2/27/2014	133	Yes	Y		J	J	5.6	0.27	mg/kg
DUP026-20140220	480-55087-12	COBALT	2/27/2014	5.7	Yes	Y		J	J	2.8	0.056	mg/kg
FB027-20140220	480-55087-17	THALLIUM	2/27/2014		Yes	N	U		U	0.020	0.010	mg/l
FB027-20140220	480-55087-17	CALCIUM	2/27/2014	0.32	Yes	Y	J		J	0.50	0.10	mg/l
FB027-20140220	480-55087-17	CADMIUM	2/27/2014		Yes	N	U		U	0.0010	0.00050	mg/l
FB027-20140220	480-55087-17	BERYLLIUM	2/27/2014		Yes	N	U		U	0.0020	0.00030	mg/l
FB027-20140220	480-55087-17	BARIUM	2/27/2014		Yes	N	U		U	0.0020	0.00070	mg/l
FB027-20140220	480-55087-17	ARSENIC	2/27/2014		Yes	N	U		U	0.010	0.0056	mg/l
FB027-20140220	480-55087-17	ALUMINUM	2/27/2014		Yes	N	U		U	0.20	0.060	mg/l
FB027-20140220	480-55087-17	ANTIMONY	2/27/2014		Yes	N	U		U	0.020	0.0068	mg/l
FB027-20140220	480-55087-17	CHROMIUM, TOTAL	2/27/2014		Yes	N	U		U	0.0040	0.0010	mg/l
FB027-20140220	480-55087-17	VANADIUM	2/27/2014		Yes	N	U		U	0.0050	0.0015	mg/l
FB027-20140220	480-55087-17	COBALT	2/27/2014		Yes	N	U		U	0.0040	0.00063	mg/l
FB027-20140220	480-55087-17	SILVER	2/27/2014		Yes	N	U		U	0.0030	0.0017	mg/l
FB027-20140220	480-55087-17	ZINC	2/27/2014	0.0028	Yes	Y	BJ	U	U	0.010	0.0015	mg/l
FB027-20140220	480-55087-17	SODIUM	2/27/2014		Yes	N	U		U	1.0	0.32	mg/l
FB027-20140220	480-55087-17	SELENIUM	2/27/2014		Yes	N	U		U	0.015	0.0087	mg/l
FB027-20140220	480-55087-17	POTASSIUM	2/27/2014		Yes	N	U		U	0.50	0.10	mg/l

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Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB027-20140220	480-55087-17	MANGANESE	2/27/2014	0.00052	Yes	Y	BJ	U	U	0.0030	0.00040	mg/l
FB027-20140220	480-55087-17	MAGNESIUM	2/27/2014		Yes	N	U		U	0.20	0.043	mg/l
FB027-20140220	480-55087-17	LEAD	2/27/2014		Yes	N	U		U	0.0050	0.0030	mg/l
FB027-20140220	480-55087-17	COPPER	2/27/2014	0.0021	Yes	Y	J		J	0.010	0.0016	mg/l
FB027-20140220	480-55087-17	NICKEL	2/27/2014		Yes	N	U		U	0.010	0.0013	mg/l
FB027-20140220	480-55087-17	IRON	2/27/2014		Yes	N	U		U	0.050	0.019	mg/l
LT-C-048-0-2-20140220	480-55087-22	VANADIUM	2/27/2014	5.7	Yes	Y				3.1	0.14	mg/kg
LT-C-048-0-2-20140220	480-55087-22	COBALT	2/27/2014	3.2	Yes	Y				3.1	0.062	mg/kg
LT-C-048-0-2-20140220	480-55087-22	COPPER	2/27/2014	6.5	Yes	Y		J	J	6.2	0.26	mg/kg
LT-C-048-0-2-20140220	480-55087-22	LEAD	2/27/2014	2.6	Yes	Y	J	J	J	6.2	0.30	mg/kg
LT-C-048-0-2-20140220	480-55087-22	MANGANESE	2/27/2014	89.9	Yes	Y	B	J	J	1.2	0.039	mg/kg
LT-C-048-0-2-20140220	480-55087-22	ZINC	2/27/2014	18.5	Yes	Y	B	J	J	12.3	0.19	mg/kg
LT-C-048-0-2-20140220	480-55087-22	THALLIUM	2/27/2014		Yes	N	U		U	37.0	0.37	mg/kg
LT-C-048-0-2-20140220	480-55087-22	CHROMIUM, TOTAL	2/27/2014	5.9	Yes	Y				3.1	0.25	mg/kg
LT-C-048-0-2-20140220	480-55087-22	IRON	2/27/2014	4690	Yes	Y	B			61.6	1.4	mg/kg
LT-C-048-0-2-20140220	480-55087-22	NICKEL	2/27/2014	6.5	Yes	Y	J		J	30.8	0.28	mg/kg
LT-C-048-0-2-20140220	480-55087-22	SODIUM	2/27/2014	205	Yes	Y	J		J	863	16.0	mg/kg
LT-C-048-0-2-20140220	480-55087-22	POTASSIUM	2/27/2014	344	Yes	Y				185	24.6	mg/kg
LT-C-048-0-2-20140220	480-55087-22	CADMIUM	2/27/2014	0.085	Yes	Y	J		J	1.2	0.037	mg/kg
LT-C-048-0-2-20140220	480-55087-22	BERYLLIUM	2/27/2014	0.14	Yes	Y	J		J	1.2	0.035	mg/kg
LT-C-048-0-2-20140220	480-55087-22	BARIUM	2/27/2014	17.1	Yes	Y		J	J	3.1	0.14	mg/kg
LT-C-048-0-2-20140220	480-55087-22	ARSENIC	2/27/2014	5.1	Yes	Y	J		J	12.3	0.49	mg/kg
LT-C-048-0-2-20140220	480-55087-22	ANTIMONY	2/27/2014		Yes	N	U		U	92.4	0.49	mg/kg
LT-C-048-0-2-20140220	480-55087-22	ALUMINUM	2/27/2014	2240	Yes	Y		J	J	61.6	5.4	mg/kg
LT-C-048-0-2-20140220	480-55087-22	SELENIUM	2/27/2014		Yes	N	U		U	24.6	0.49	mg/kg

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Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-048-0-2-20140220	480-55087-22	SILVER	2/27/2014		Yes	N	U		U	3.1	0.25	mg/kg
LT-C-048-0-2-20140220	480-55087-22	MAGNESIUM	2/27/2014	608	Yes	Y				123	1.1	mg/kg
LT-C-048-0-2-20140220	480-55087-22	CALCIUM	2/27/2014	613	Yes	Y	B	J	J	308	4.1	mg/kg
LT-C-048-2-4-20140220	480-55087-23	MAGNESIUM	2/27/2014	434	Yes	Y				117	1.1	mg/kg
LT-C-048-2-4-20140220	480-55087-23	MANGANESE	2/27/2014	65.2	Yes	Y	B	J	J	1.2	0.037	mg/kg
LT-C-048-2-4-20140220	480-55087-23	NICKEL	2/27/2014	3.8	Yes	Y	J		J	29.3	0.27	mg/kg
LT-C-048-2-4-20140220	480-55087-23	POTASSIUM	2/27/2014	285	Yes	Y				176	23.4	mg/kg
LT-C-048-2-4-20140220	480-55087-23	SELENIUM	2/27/2014		Yes	N	U		U	23.4	0.47	mg/kg
LT-C-048-2-4-20140220	480-55087-23	SILVER	2/27/2014		Yes	N	U		U	2.9	0.23	mg/kg
LT-C-048-2-4-20140220	480-55087-23	LEAD	2/27/2014	4	Yes	Y	J	J	J	5.9	0.28	mg/kg
LT-C-048-2-4-20140220	480-55087-23	THALLIUM	2/27/2014		Yes	N	U		U	35.1	0.35	mg/kg
LT-C-048-2-4-20140220	480-55087-23	BERYLLIUM	2/27/2014	0.13	Yes	Y	J		J	1.2	0.033	mg/kg
LT-C-048-2-4-20140220	480-55087-23	VANADIUM	2/27/2014	4	Yes	Y				2.9	0.13	mg/kg
LT-C-048-2-4-20140220	480-55087-23	SODIUM	2/27/2014	118	Yes	Y	J		J	820	15.2	mg/kg
LT-C-048-2-4-20140220	480-55087-23	IRON	2/27/2014	4330	Yes	Y	B			58.6	1.3	mg/kg
LT-C-048-2-4-20140220	480-55087-23	COPPER	2/27/2014	4.6	Yes	Y	J	J	J	5.9	0.25	mg/kg
LT-C-048-2-4-20140220	480-55087-23	COBALT	2/27/2014	1.9	Yes	Y	J		J	2.9	0.059	mg/kg
LT-C-048-2-4-20140220	480-55087-23	CHROMIUM, TOTAL	2/27/2014	4.1	Yes	Y				2.9	0.23	mg/kg
LT-C-048-2-4-20140220	480-55087-23	CADMIUM	2/27/2014	0.055	Yes	Y	J		J	1.2	0.035	mg/kg
LT-C-048-2-4-20140220	480-55087-23	BARIUM	2/27/2014	13.3	Yes	Y		J	J	2.9	0.13	mg/kg
LT-C-048-2-4-20140220	480-55087-23	ARSENIC	2/27/2014	1.5	Yes	Y	J		J	11.7	0.47	mg/kg
LT-C-048-2-4-20140220	480-55087-23	ALUMINUM	2/27/2014	1900	Yes	Y		J	J	58.6	5.2	mg/kg
LT-C-048-2-4-20140220	480-55087-23	ZINC	2/27/2014	9.6	Yes	Y	BJ	UJ	UJ	11.7	0.18	mg/kg
LT-C-048-2-4-20140220	480-55087-23	ANTIMONY	2/27/2014		Yes	N	U		U	87.9	0.47	mg/kg
LT-C-048-2-4-20140220	480-55087-23	CALCIUM	2/27/2014	548	Yes	Y	B	J	J	293	3.9	mg/kg

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Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-048-6-8-20140220	480-55087-24	CADMIUM	2/27/2014	0.074	Yes	Y	J		J	1.2	0.036	mg/kg
LT-C-048-6-8-20140220	480-55087-24	SILVER	2/27/2014		Yes	N	U		U	3.0	0.24	mg/kg
LT-C-048-6-8-20140220	480-55087-24	SELENIUM	2/27/2014		Yes	N	U		U	24.2	0.48	mg/kg
LT-C-048-6-8-20140220	480-55087-24	POTASSIUM	2/27/2014	8070	Yes	Y				181	24.2	mg/kg
LT-C-048-6-8-20140220	480-55087-24	NICKEL	2/27/2014	51	Yes	Y				30.2	0.28	mg/kg
LT-C-048-6-8-20140220	480-55087-24	MANGANESE	2/27/2014	895	Yes	Y	B	J	J	1.2	0.039	mg/kg
LT-C-048-6-8-20140220	480-55087-24	LEAD	2/27/2014	2.5	Yes	Y	J	J	J	6.0	0.29	mg/kg
LT-C-048-6-8-20140220	480-55087-24	COPPER	2/27/2014	28.9	Yes	Y		J	J	6.0	0.25	mg/kg
LT-C-048-6-8-20140220	480-55087-24	COBALT	2/27/2014	19.8	Yes	Y				3.0	0.060	mg/kg
LT-C-048-6-8-20140220	480-55087-24	ALUMINUM	2/27/2014	23400	Yes	Y		J	J	60.4	5.3	mg/kg
LT-C-048-6-8-20140220	480-55087-24	CALCIUM	2/27/2014	7590	Yes	Y	B	J	J	302	4.0	mg/kg
LT-C-048-6-8-20140220	480-55087-24	MAGNESIUM	2/27/2014	18100	Yes	Y				121	1.1	mg/kg
LT-C-048-6-8-20140220	480-55087-24	BERYLLIUM	2/27/2014	0.098	Yes	Y	J		J	1.2	0.034	mg/kg
LT-C-048-6-8-20140220	480-55087-24	BARIUM	2/27/2014	314	Yes	Y		J	J	3.0	0.13	mg/kg
LT-C-048-6-8-20140220	480-55087-24	ARSENIC	2/27/2014	5.2	Yes	Y	J		J	12.1	0.48	mg/kg
LT-C-048-6-8-20140220	480-55087-24	ANTIMONY	2/27/2014		Yes	N	U		U	90.7	0.48	mg/kg
LT-C-048-6-8-20140220	480-55087-24	THALLIUM	2/27/2014		Yes	N	U		U	36.3	0.36	mg/kg
LT-C-048-6-8-20140220	480-55087-24	VANADIUM	2/27/2014	65	Yes	Y				3.0	0.13	mg/kg
LT-C-048-6-8-20140220	480-55087-24	ZINC	2/27/2014	60.6	Yes	Y	B	J	J	12.1	0.18	mg/kg
LT-C-048-6-8-20140220	480-55087-24	SODIUM	2/27/2014	594	Yes	Y	J		J	846	15.7	mg/kg
LT-C-048-6-8-20140220	480-55087-24	CHROMIUM, TOTAL	2/27/2014	114	Yes	Y				3.0	0.24	mg/kg
LT-C-048-6-8-20140220	480-55087-24	IRON	2/27/2014	33700	Yes	Y	B			60.4	1.3	mg/kg
LT-C-049-0-2-20140220	480-55087-32	COPPER	2/27/2014	21.6	Yes	Y		J	J	5.3	0.22	mg/kg
LT-C-049-0-2-20140220	480-55087-32	POTASSIUM	2/27/2014	1260	Yes	Y				159	21.1	mg/kg
LT-C-049-0-2-20140220	480-55087-32	ZINC	2/27/2014	22.8	Yes	Y	B			10.6	0.16	mg/kg

SDG: 480550871

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-049-0-2-20140220	480-55087-32	VANADIUM	2/27/2014	10.8	Yes	Y				2.6	0.12	mg/kg
LT-C-049-0-2-20140220	480-55087-32	THALLIUM	2/27/2014		Yes	N	U		U	31.7	0.32	mg/kg
LT-C-049-0-2-20140220	480-55087-32	SILVER	2/27/2014	1	Yes	Y	J		J	2.6	0.21	mg/kg
LT-C-049-0-2-20140220	480-55087-32	SELENIUM	2/27/2014	3.5	Yes	Y	J		J	21.1	0.42	mg/kg
LT-C-049-0-2-20140220	480-55087-32	NICKEL	2/27/2014	13.8	Yes	Y	J		J	26.4	0.24	mg/kg
LT-C-049-0-2-20140220	480-55087-32	MANGANESE	2/27/2014	171	Yes	Y	B			1.1	0.034	mg/kg
LT-C-049-0-2-20140220	480-55087-32	MAGNESIUM	2/27/2014	1880	Yes	Y	B	J	J	106	0.98	mg/kg
LT-C-049-0-2-20140220	480-55087-32	LEAD	2/27/2014	13.2	Yes	Y		J	J	5.3	0.25	mg/kg
LT-C-049-0-2-20140220	480-55087-32	IRON	2/27/2014	9850	Yes	Y	B			52.9	1.2	mg/kg
LT-C-049-0-2-20140220	480-55087-32	COBALT	2/27/2014	32.2	Yes	Y				2.6	0.053	mg/kg
LT-C-049-0-2-20140220	480-55087-32	ALUMINUM	2/27/2014	4190	Yes	Y		J	J	52.9	4.7	mg/kg
LT-C-049-0-2-20140220	480-55087-32	ANTIMONY	2/27/2014	7.6	Yes	Y	J	J	J	79.3	0.42	mg/kg
LT-C-049-0-2-20140220	480-55087-32	SODIUM	2/27/2014	298	Yes	Y	J		J	740	13.7	mg/kg
LT-C-049-0-2-20140220	480-55087-32	ARSENIC	2/27/2014	7.8	Yes	Y	J		J	10.6	0.42	mg/kg
LT-C-049-0-2-20140220	480-55087-32	CHROMIUM, TOTAL	2/27/2014	11.5	Yes	Y		J	J	2.6	0.21	mg/kg
LT-C-049-0-2-20140220	480-55087-32	BARIUM	2/27/2014	50.3	Yes	Y				2.6	0.12	mg/kg
LT-C-049-0-2-20140220	480-55087-32	BERYLLIUM	2/27/2014	0.12	Yes	Y	J		J	1.1	0.030	mg/kg
LT-C-049-0-2-20140220	480-55087-32	CADMIUM	2/27/2014	0.29	Yes	Y	J		J	1.1	0.032	mg/kg
LT-C-049-0-2-20140220	480-55087-32	CALCIUM	2/27/2014	3210	Yes	Y	B			264	3.5	mg/kg
LT-C-049-2-4-20140220	480-55087-33	ARSENIC	2/27/2014	2.6	Yes	Y	J		J	12.8	0.51	mg/kg
LT-C-049-2-4-20140220	480-55087-33	ANTIMONY	2/27/2014		Yes	N	U	UJ	UJ	96.3	0.51	mg/kg
LT-C-049-2-4-20140220	480-55087-33	COBALT	2/27/2014	12.4	Yes	Y				3.2	0.064	mg/kg
LT-C-049-2-4-20140220	480-55087-33	COPPER	2/27/2014	8.6	Yes	Y		J	J	6.4	0.27	mg/kg
LT-C-049-2-4-20140220	480-55087-33	ALUMINUM	2/27/2014	9310	Yes	Y		J	J	64.2	5.6	mg/kg
LT-C-049-2-4-20140220	480-55087-33	MAGNESIUM	2/27/2014	1990	Yes	Y	B	J	J	128	1.2	mg/kg

SDG: 480550871

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-049-2-4-20140220	480-55087-33	CADMIUM	2/27/2014	0.067	Yes	Y	J		J	1.3	0.039	mg/kg
LT-C-049-2-4-20140220	480-55087-33	BERYLLIUM	2/27/2014	0.32	Yes	Y	J		J	1.3	0.036	mg/kg
LT-C-049-2-4-20140220	480-55087-33	CHROMIUM, TOTAL	2/27/2014	18.1	Yes	Y		J	J	3.2	0.26	mg/kg
LT-C-049-2-4-20140220	480-55087-33	THALLIUM	2/27/2014		Yes	N	U		U	38.5	0.39	mg/kg
LT-C-049-2-4-20140220	480-55087-33	IRON	2/27/2014	13400	Yes	Y	B			64.2	1.4	mg/kg
LT-C-049-2-4-20140220	480-55087-33	LEAD	2/27/2014	6.3	Yes	Y	J	J	J	6.4	0.31	mg/kg
LT-C-049-2-4-20140220	480-55087-33	ZINC	2/27/2014	27.8	Yes	Y	B			12.8	0.20	mg/kg
LT-C-049-2-4-20140220	480-55087-33	VANADIUM	2/27/2014	23.7	Yes	Y				3.2	0.14	mg/kg
LT-C-049-2-4-20140220	480-55087-33	CALCIUM	2/27/2014	766	Yes	Y	B			321	4.2	mg/kg
LT-C-049-2-4-20140220	480-55087-33	BARIUM	2/27/2014	41.1	Yes	Y				3.2	0.14	mg/kg
LT-C-049-2-4-20140220	480-55087-33	SODIUM	2/27/2014	134	Yes	Y	J		J	899	16.7	mg/kg
LT-C-049-2-4-20140220	480-55087-33	SILVER	2/27/2014		Yes	N	U		U	3.2	0.26	mg/kg
LT-C-049-2-4-20140220	480-55087-33	SELENIUM	2/27/2014	0.76	Yes	Y	J		J	25.7	0.51	mg/kg
LT-C-049-2-4-20140220	480-55087-33	POTASSIUM	2/27/2014	692	Yes	Y				193	25.7	mg/kg
LT-C-049-2-4-20140220	480-55087-33	NICKEL	2/27/2014	10.5	Yes	Y	J		J	32.1	0.30	mg/kg
LT-C-049-2-4-20140220	480-55087-33	MANGANESE	2/27/2014	151	Yes	Y	B			1.3	0.041	mg/kg
LT-C-049-8-10-20140220	480-55087-34	COPPER	2/27/2014	10.1	Yes	Y		J	J	6.3	0.27	mg/kg
LT-C-049-8-10-20140220	480-55087-34	ARSENIC	2/27/2014	1.7	Yes	Y	J		J	12.7	0.51	mg/kg
LT-C-049-8-10-20140220	480-55087-34	BERYLLIUM	2/27/2014	0.24	Yes	Y	J		J	1.3	0.035	mg/kg
LT-C-049-8-10-20140220	480-55087-34	CALCIUM	2/27/2014	1710	Yes	Y	B			316	4.2	mg/kg
LT-C-049-8-10-20140220	480-55087-34	CHROMIUM, TOTAL	2/27/2014	22.2	Yes	Y		J	J	3.2	0.25	mg/kg
LT-C-049-8-10-20140220	480-55087-34	COBALT	2/27/2014	5.6	Yes	Y				3.2	0.063	mg/kg
LT-C-049-8-10-20140220	480-55087-34	CADMIUM	2/27/2014	0.072	Yes	Y	J		J	1.3	0.038	mg/kg
LT-C-049-8-10-20140220	480-55087-34	IRON	2/27/2014	10300	Yes	Y	B			63.3	1.4	mg/kg
LT-C-049-8-10-20140220	480-55087-34	LEAD	2/27/2014	3.9	Yes	Y	J	J	J	6.3	0.30	mg/kg

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Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-049-8-10-20140220	480-55087-34	MAGNESIUM	2/27/2014	2820	Yes	Y	B	J	J	127	1.2	mg/kg
LT-C-049-8-10-20140220	480-55087-34	MANGANESE	2/27/2014	165	Yes	Y	B			1.3	0.041	mg/kg
LT-C-049-8-10-20140220	480-55087-34	ALUMINUM	2/27/2014	7170	Yes	Y		J	J	63.3	5.6	mg/kg
LT-C-049-8-10-20140220	480-55087-34	ZINC	2/27/2014	25.6	Yes	Y	B			12.7	0.19	mg/kg
LT-C-049-8-10-20140220	480-55087-34	BARIUM	2/27/2014	50	Yes	Y				3.2	0.14	mg/kg
LT-C-049-8-10-20140220	480-55087-34	ANTIMONY	2/27/2014		Yes	N	U	UJ	UJ	94.9	0.51	mg/kg
LT-C-049-8-10-20140220	480-55087-34	POTASSIUM	2/27/2014	1810	Yes	Y				190	25.3	mg/kg
LT-C-049-8-10-20140220	480-55087-34	SELENIUM	2/27/2014		Yes	N	U		U	25.3	0.51	mg/kg
LT-C-049-8-10-20140220	480-55087-34	SILVER	2/27/2014		Yes	N	U		U	3.2	0.25	mg/kg
LT-C-049-8-10-20140220	480-55087-34	VANADIUM	2/27/2014	19.6	Yes	Y				3.2	0.14	mg/kg
LT-C-049-8-10-20140220	480-55087-34	THALLIUM	2/27/2014		Yes	N	U		U	38.0	0.38	mg/kg
LT-C-049-8-10-20140220	480-55087-34	NICKEL	2/27/2014	10	Yes	Y	J		J	31.6	0.29	mg/kg
LT-C-049-8-10-20140220	480-55087-34	SODIUM	2/28/2014	105	Yes	Y	J		J	886	16.5	mg/kg
LT-XC-020-02-20140220	480-55087-1	POTASSIUM	2/27/2014	326	Yes	Y				163	21.8	mg/kg
LT-XC-020-02-20140220	480-55087-1	ZINC	2/27/2014	21.8	Yes	Y	B	J	J	10.9	0.17	mg/kg
LT-XC-020-02-20140220	480-55087-1	THALLIUM	2/27/2014		Yes	N	U		U	32.6	0.33	mg/kg
LT-XC-020-02-20140220	480-55087-1	SODIUM	2/27/2014	71.5	Yes	Y	J		J	761	14.1	mg/kg
LT-XC-020-02-20140220	480-55087-1	SELENIUM	2/27/2014	1.5	Yes	Y	J		J	21.8	0.44	mg/kg
LT-XC-020-02-20140220	480-55087-1	VANADIUM	2/27/2014	6.9	Yes	Y				2.7	0.12	mg/kg
LT-XC-020-02-20140220	480-55087-1	NICKEL	2/27/2014	14.6	Yes	Y	J		J	27.2	0.25	mg/kg
LT-XC-020-02-20140220	480-55087-1	CALCIUM	2/27/2014	15400	Yes	Y	B	J	J	272	3.6	mg/kg
LT-XC-020-02-20140220	480-55087-1	MAGNESIUM	2/27/2014	8530	Yes	Y				109	1.0	mg/kg
LT-XC-020-02-20140220	480-55087-1	LEAD	2/27/2014	19.5	Yes	Y		J	J	5.4	0.26	mg/kg
LT-XC-020-02-20140220	480-55087-1	IRON	2/27/2014	4920	Yes	Y	B			54.4	1.2	mg/kg
LT-XC-020-02-20140220	480-55087-1	COPPER	2/27/2014	20	Yes	Y		J	J	5.4	0.23	mg/kg

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Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-XC-020-02-20140220	480-55087-1	COBALT	2/27/2014	9.4	Yes	Y				2.7	0.054	mg/kg
LT-XC-020-02-20140220	480-55087-1	CADMIUM	2/27/2014	0.23	Yes	Y	J		J	1.1	0.033	mg/kg
LT-XC-020-02-20140220	480-55087-1	CHROMIUM, TOTAL	2/27/2014	7.6	Yes	Y				2.7	0.22	mg/kg
LT-XC-020-02-20140220	480-55087-1	MANGANESE	2/27/2014	97.9	Yes	Y	B	J	J	1.1	0.035	mg/kg
LT-XC-020-02-20140220	480-55087-1	SILVER	2/27/2014	0.44	Yes	Y	J		J	2.7	0.22	mg/kg
LT-XC-020-02-20140220	480-55087-1	ALUMINUM	2/27/2014	2470	Yes	Y		J	J	54.4	4.8	mg/kg
LT-XC-020-02-20140220	480-55087-1	ANTIMONY	2/27/2014	0.63	Yes	Y	J		J	81.6	0.44	mg/kg
LT-XC-020-02-20140220	480-55087-1	ARSENIC	2/27/2014	3.4	Yes	Y	J		J	10.9	0.44	mg/kg
LT-XC-020-02-20140220	480-55087-1	BARIUM	2/27/2014	16.8	Yes	Y		J	J	2.7	0.12	mg/kg
LT-XC-020-02-20140220	480-55087-1	BERYLLIUM	2/27/2014	0.12	Yes	Y	J		J	1.1	0.030	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	COPPER	2/27/2014	7.8	Yes	Y		J	J	6.2	0.26	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	COBALT	2/27/2014	6.8	Yes	Y				3.1	0.062	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	CHROMIUM, TOTAL	2/27/2014	10	Yes	Y				3.1	0.25	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	CALCIUM	2/27/2014	639	Yes	Y	B	J	J	311	4.1	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	CADMIUM	2/27/2014	0.057	Yes	Y	J		J	1.2	0.037	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	BERYLLIUM	2/27/2014	0.28	Yes	Y	J		J	1.2	0.035	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	ARSENIC	2/27/2014	2.1	Yes	Y	J		J	12.4	0.50	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	ANTIMONY	2/27/2014		Yes	N	U		U	93.2	0.50	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	ALUMINUM	2/27/2014	4280	Yes	Y		J	J	62.1	5.5	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	BARIUM	2/27/2014	30	Yes	Y		J	J	3.1	0.14	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	IRON	2/27/2014	12300	Yes	Y	B			62.1	1.4	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	LEAD	2/27/2014	3.3	Yes	Y	J	J	J	6.2	0.30	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	MAGNESIUM	2/27/2014	1440	Yes	Y				124	1.2	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	MANGANESE	2/27/2014	229	Yes	Y	B	J	J	1.2	0.040	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	NICKEL	2/27/2014	7.3	Yes	Y	J		J	31.1	0.29	mg/kg

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Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-XC-020-4-6-20140220	480-55087-2	POTASSIUM	2/27/2014	1130	Yes	Y				186	24.9	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	SELENIUM	2/27/2014		Yes	N	U		U	24.9	0.50	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	SILVER	2/27/2014		Yes	N	U		U	3.1	0.25	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	SODIUM	2/27/2014	170	Yes	Y	J		J	870	16.2	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	ZINC	2/27/2014	27.5	Yes	Y	B	J	J	12.4	0.19	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	VANADIUM	2/27/2014	14.3	Yes	Y				3.1	0.14	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	THALLIUM	2/27/2014		Yes	N	U		U	37.3	0.37	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	MAGNESIUM	2/27/2014	1390	Yes	Y				127	1.2	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	LEAD	2/27/2014	3.1	Yes	Y	J	J	J	6.4	0.31	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	ALUMINUM	2/27/2014	4130	Yes	Y		J	J	63.6	5.6	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	ZINC	2/27/2014	20.3	Yes	Y	B	J	J	12.7	0.19	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	VANADIUM	2/27/2014	10.9	Yes	Y				3.2	0.14	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	THALLIUM	2/27/2014		Yes	N	U		U	38.1	0.38	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	SODIUM	2/27/2014	136	Yes	Y	J		J	890	16.5	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	SILVER	2/27/2014		Yes	N	U		U	3.2	0.25	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	SELENIUM	2/27/2014		Yes	N	U		U	25.4	0.51	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	POTASSIUM	2/27/2014	1210	Yes	Y				191	25.4	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	IRON	2/27/2014	9320	Yes	Y	B			63.6	1.4	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	MANGANESE	2/27/2014	516	Yes	Y	B	J	J	1.3	0.041	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	ANTIMONY	2/27/2014		Yes	N	U		U	95.4	0.51	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	COPPER	2/27/2014	6.4	Yes	Y		J	J	6.4	0.27	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	COBALT	2/27/2014	5.4	Yes	Y				3.2	0.064	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	CHROMIUM, TOTAL	2/27/2014	13	Yes	Y				3.2	0.25	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	CALCIUM	2/27/2014	400	Yes	Y	B	J	J	318	4.2	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	CADMIUM	2/27/2014	0.055	Yes	Y	J		J	1.3	0.038	mg/kg

SDG: 480550871

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-XC-020-6-8-20140220	480-55087-3	BERYLLIUM	2/27/2014	0.2	Yes	Y	J		J	1.3	0.036	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	BARIUM	2/27/2014	31.6	Yes	Y		J	J	3.2	0.14	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	ARSENIC	2/27/2014	1.9	Yes	Y	J		J	12.7	0.51	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	NICKEL	2/27/2014	8.3	Yes	Y	J		J	31.8	0.29	mg/kg

Analytical Method		SW7470A										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672901A	4801672901A	MERCURY	2/24/2014		Yes	N	U		U	0.00020	0.00012	mg/l
FB027-20140220	480-55087-17	MERCURY	2/24/2014		Yes	N	U		U	0.00020	0.00012	mg/l

Analytical Method		SW7471B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672421A	4801672421A	MERCURY	2/24/2014		Yes	N	U		U	0.020	0.0082	mg/kg
4801672441A	4801672441A	MERCURY	2/24/2014		Yes	N	U		U	0.020	0.0080	mg/kg
4801676151A	4801676151A	MERCURY	2/26/2014		Yes	N	U		U	0.020	0.0082	mg/kg
CC-C-042-0-2-20140220	480-55087-4	MERCURY	2/24/2014	0.076	Yes	Y		J	J	0.022	0.0091	mg/kg
CC-C-042-2-4-20140220	480-55087-5	MERCURY	2/24/2014	0.053	Yes	Y		J	J	0.021	0.0086	mg/kg
CC-C-042-8-10-20140220	480-55087-7	MERCURY	2/24/2014		Yes	N	U		U	0.021	0.0084	mg/kg
CC-C-043-0-2-20140220	480-55087-8	MERCURY	2/24/2014	0.096	Yes	Y		J	J	0.021	0.0086	mg/kg
CC-C-043-2-4-20140220	480-55087-9	MERCURY	2/24/2014	0.084	Yes	Y		J	J	0.021	0.0084	mg/kg
CC-C-043-6-8-20140220	480-55087-10	MERCURY	2/24/2014	0.057	Yes	Y		J	J	0.021	0.0085	mg/kg
CC-C-044-0-2-20140220	480-55087-13	MERCURY	2/24/2014	0.11	Yes	Y		J	J	0.020	0.0081	mg/kg
CC-C-044-4-6-20140220	480-55087-14	MERCURY	2/24/2014		Yes	N	U		U	0.020	0.0079	mg/kg
CC-C-044-8-10-20140220	480-55087-16	MERCURY	2/24/2014		Yes	N	U		U	0.020	0.0082	mg/kg
CC-C-045-0-2-20140220	480-55087-18	MERCURY	2/24/2014	0.14	Yes	Y		J	J	0.022	0.0088	mg/kg
CC-C-045-4-6-20140220	480-55087-19	MERCURY	2/24/2014	0.18	Yes	Y		J	J	0.022	0.0088	mg/kg

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Analytical Method		SW7471B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-045-8-10-20140220	480-55087-21	MERCURY	2/24/2014	0.093	Yes	Y		J	J	0.022	0.0091	mg/kg
CC-C-046-0-2-20140220	480-55087-25	MERCURY	2/26/2014	0.18	Yes	Y				0.022	0.0089	mg/kg
CC-C-046-4-6-20140220	480-55087-26	MERCURY	2/24/2014	0.1	Yes	Y				0.022	0.0090	mg/kg
CC-C-046-8-10-20140220	480-55087-28	MERCURY	2/24/2014	0.077	Yes	Y				0.022	0.0088	mg/kg
CC-C-047-0-2-20140220	480-55087-29	MERCURY	2/24/2014	0.13	Yes	Y				0.022	0.0091	mg/kg
CC-C-047-2-4-20140220	480-55087-30	MERCURY	2/24/2014	0.11	Yes	Y				0.021	0.0084	mg/kg
CC-C-047-8-10-20140220	480-55087-31	MERCURY	2/24/2014	0.09	Yes	Y				0.022	0.0091	mg/kg
DUP026-20140220	480-55087-12	MERCURY	2/24/2014	0.071	Yes	Y		J	J	0.021	0.0086	mg/kg
LT-C-048-0-2-20140220	480-55087-22	MERCURY	2/24/2014	0.032	Yes	Y		J	J	0.020	0.0083	mg/kg
LT-C-048-2-4-20140220	480-55087-23	MERCURY	2/24/2014	0.012	Yes	Y	J	J	J	0.021	0.0085	mg/kg
LT-C-048-6-8-20140220	480-55087-24	MERCURY	2/24/2014		Yes	N	U		U	0.024	0.0098	mg/kg
LT-C-049-0-2-20140220	480-55087-32	MERCURY	2/24/2014	0.034	Yes	Y				0.023	0.0092	mg/kg
LT-C-049-2-4-20140220	480-55087-33	MERCURY	2/24/2014	0.013	Yes	Y	J		J	0.023	0.0095	mg/kg
LT-C-049-8-10-20140220	480-55087-34	MERCURY	2/24/2014		Yes	N	U		U	0.025	0.010	mg/kg
LT-XC-020-02-20140220	480-55087-1	MERCURY	2/24/2014	0.12	Yes	Y		J	J	0.024	0.0096	mg/kg
LT-XC-020-4-6-20140220	480-55087-2	MERCURY	2/24/2014		Yes	N	U		U	0.025	0.010	mg/kg
LT-XC-020-6-8-20140220	480-55087-3	MERCURY	2/24/2014	0.017	Yes	Y	J	J	J	0.022	0.0087	mg/kg

Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672571A	4801672571A	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	1.7	0.53	ug/kg
4801672571A	4801672571A	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	1.7	0.42	ug/kg
4801672571A	4801672571A	ALDRIN	2/25/2014		Yes	N	U		U	1.7	0.41	ug/kg
4801672571A	4801672571A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.7	0.30	ug/kg
4801672571A	4801672571A	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	1.7	0.82	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672571A	4801672571A	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.7	0.21	ug/kg
4801672571A	4801672571A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.7	0.18	ug/kg
4801672571A	4801672571A	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.7	0.30	ug/kg
4801672571A	4801672571A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.7	0.22	ug/kg
4801672571A	4801672571A	DIELDRIN	2/25/2014		Yes	N	U		U	1.7	0.40	ug/kg
4801672571A	4801672571A	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	1.7	0.43	ug/kg
4801672571A	4801672571A	ENDRIN	2/25/2014		Yes	N	U		U	1.7	0.23	ug/kg
4801672571A	4801672571A	TOXAPHENE	2/25/2014		Yes	N	U		U	17	9.6	ug/kg
4801672571A	4801672571A	ENDRIN KETONE	2/25/2014		Yes	N	U		U	1.7	0.41	ug/kg
4801672571A	4801672571A	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	1.7	0.20	ug/kg
4801672571A	4801672571A	HEPTACHLOR	2/25/2014		Yes	N	U		U	1.7	0.26	ug/kg
4801672571A	4801672571A	METHOXYCHLOR	2/25/2014		Yes	N	U		U	1.7	0.23	ug/kg
4801672571A	4801672571A	P,P'-DDD	2/25/2014		Yes	N	U		U	1.7	0.32	ug/kg
4801672571A	4801672571A	P,P'-DDE	2/25/2014		Yes	N	U		U	1.7	0.25	ug/kg
4801672571A	4801672571A	P,P'-DDT	2/25/2014		Yes	N	U		U	1.7	0.17	ug/kg
4801672571A	4801672571A	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	1.7	0.31	ug/kg
4801672581A	4801672581A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.6	0.29	ug/kg
4801672581A	4801672581A	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	1.6	0.41	ug/kg
4801672581A	4801672581A	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	1.6	0.52	ug/kg
4801672581A	4801672581A	ALDRIN	2/25/2014		Yes	N	U		U	1.6	0.40	ug/kg
4801672581A	4801672581A	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	1.6	0.81	ug/kg
4801672581A	4801672581A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.6	0.18	ug/kg
4801672581A	4801672581A	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.6	0.29	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672581A	4801672581A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.6	0.21	ug/kg
4801672581A	4801672581A	DIELDRIN	2/25/2014		Yes	N	U		U	1.6	0.39	ug/kg
4801672581A	4801672581A	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.6	0.20	ug/kg
4801672581A	4801672581A	ENDRIN	2/25/2014		Yes	N	U		U	1.6	0.22	ug/kg
4801672581A	4801672581A	TOXAPHENE	2/25/2014		Yes	N	U		U	16	9.4	ug/kg
4801672581A	4801672581A	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	1.6	0.20	ug/kg
4801672581A	4801672581A	HEPTACHLOR	2/25/2014		Yes	N	U		U	1.6	0.25	ug/kg
4801672581A	4801672581A	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	1.6	0.42	ug/kg
4801672581A	4801672581A	METHOXYCHLOR	2/25/2014		Yes	N	U		U	1.6	0.22	ug/kg
4801672581A	4801672581A	P,P'-DDD	2/25/2014		Yes	N	U		U	1.6	0.32	ug/kg
4801672581A	4801672581A	P,P'-DDE	2/25/2014		Yes	N	U		U	1.6	0.24	ug/kg
4801672581A	4801672581A	P,P'-DDT	2/25/2014		Yes	N	U		U	1.6	0.17	ug/kg
4801672581A	4801672581A	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	1.6	0.30	ug/kg
4801672581A	4801672581A	ENDRIN KETONE	2/25/2014		Yes	N	U		U	1.6	0.40	ug/kg
4801673451A	4801673451A	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	0.050	0.016	ug/l
4801673451A	4801673451A	TOXAPHENE	2/25/2014		Yes	N	U		U	0.50	0.12	ug/l
4801673451A	4801673451A	P,P'-DDT	2/25/2014		Yes	N	U		U	0.050	0.011	ug/l
4801673451A	4801673451A	P,P'-DDE	2/25/2014		Yes	N	U		U	0.050	0.012	ug/l
4801673451A	4801673451A	P,P'-DDD	2/25/2014		Yes	N	U		U	0.050	0.0092	ug/l
4801673451A	4801673451A	METHOXYCHLOR	2/25/2014		Yes	N	U		U	0.050	0.014	ug/l
4801673451A	4801673451A	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	0.050	0.0053	ug/l
4801673451A	4801673451A	HEPTACHLOR	2/25/2014		Yes	N	U		U	0.050	0.0085	ug/l
4801673451A	4801673451A	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	0.050	0.011	ug/l
4801673451A	4801673451A	ENDRIN KETONE	2/25/2014		Yes	N	U		U	0.050	0.012	ug/l

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801673451A	4801673451A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	0.050	0.010	ug/l
4801673451A	4801673451A	ENDRIN	2/25/2014		Yes	N	U		U	0.050	0.014	ug/l
4801673451A	4801673451A	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	0.050	0.016	ug/l
4801673451A	4801673451A	DIELDRIN	2/25/2014		Yes	N	U		U	0.050	0.0098	ug/l
4801673451A	4801673451A	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	0.050	0.012	ug/l
4801673451A	4801673451A	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	0.050	0.011	ug/l
4801673451A	4801673451A	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	0.050	0.015	ug/l
4801673451A	4801673451A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	0.050	0.0066	ug/l
4801673451A	4801673451A	ALDRIN	2/25/2014		Yes	N	U		U	0.050	0.0066	ug/l
4801673451A	4801673451A	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	0.050	0.0060	ug/l
4801673451A	4801673451A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	0.050	0.025	ug/l
4801674751A	4801674751A	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	1.6	0.41	ug/kg
4801674751A	4801674751A	ALDRIN	2/25/2014		Yes	N	U		U	1.6	0.40	ug/kg
4801674751A	4801674751A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.6	0.29	ug/kg
4801674751A	4801674751A	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	1.6	0.81	ug/kg
4801674751A	4801674751A	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.6	0.20	ug/kg
4801674751A	4801674751A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.6	0.18	ug/kg
4801674751A	4801674751A	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.6	0.29	ug/kg
4801674751A	4801674751A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014	0.524	Yes	Y	J		J	1.6	0.21	ug/kg
4801674751A	4801674751A	DIELDRIN	2/25/2014		Yes	N	U		U	1.6	0.39	ug/kg
4801674751A	4801674751A	ENDRIN	2/25/2014		Yes	N	U		U	1.6	0.22	ug/kg
4801674751A	4801674751A	ENDRIN KETONE	2/25/2014		Yes	N	U		U	1.6	0.40	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801674751A	4801674751A	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	1.6	0.20	ug/kg
4801674751A	4801674751A	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	1.6	0.52	ug/kg
4801674751A	4801674751A	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	1.6	0.42	ug/kg
4801674751A	4801674751A	METHOXYCHLOR	2/25/2014		Yes	N	U		U	1.6	0.22	ug/kg
4801674751A	4801674751A	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	1.6	0.30	ug/kg
4801674751A	4801674751A	P,P'-DDD	2/25/2014		Yes	N	U		U	1.6	0.32	ug/kg
4801674751A	4801674751A	P,P'-DDE	2/25/2014		Yes	N	U		U	1.6	0.24	ug/kg
4801674751A	4801674751A	P,P'-DDT	2/25/2014		Yes	N	U		U	1.6	0.17	ug/kg
4801674751A	4801674751A	TOXAPHENE	2/25/2014		Yes	N	U		U	16	9.4	ug/kg
4801674751A	4801674751A	HEPTACHLOR	2/25/2014		Yes	N	U		U	1.6	0.25	ug/kg
4801674761A	4801674761A	P,P'-DDT	2/25/2014		Yes	N	U		U	1.7	0.17	ug/kg
4801674761A	4801674761A	TOXAPHENE	2/25/2014		Yes	N	U		U	17	9.6	ug/kg
4801674761A	4801674761A	P,P'-DDE	2/25/2014		Yes	N	U		U	1.7	0.25	ug/kg
4801674761A	4801674761A	HEPTACHLOR	2/25/2014		Yes	N	U		U	1.7	0.26	ug/kg
4801674761A	4801674761A	P,P'-DDD	2/25/2014		Yes	N	U		U	1.7	0.32	ug/kg
4801674761A	4801674761A	ENDRIN	2/25/2014		Yes	N	U		U	1.7	0.23	ug/kg
4801674761A	4801674761A	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	1.7	0.42	ug/kg
4801674761A	4801674761A	ENDRIN KETONE	2/25/2014		Yes	N	U		U	1.7	0.41	ug/kg
4801674761A	4801674761A	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	1.7	0.53	ug/kg
4801674761A	4801674761A	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	1.7	0.31	ug/kg
4801674761A	4801674761A	DIELDRIN	2/25/2014		Yes	N	U		U	1.7	0.40	ug/kg
4801674761A	4801674761A	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	1.7	0.43	ug/kg
4801674761A	4801674761A	METHOXYCHLOR	2/25/2014		Yes	N	U		U	1.7	0.23	ug/kg
4801674761A	4801674761A	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	1.7	0.20	ug/kg
4801674761A	4801674761A	ALDRIN	2/25/2014		Yes	N	U		U	1.7	0.41	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801674761A	4801674761A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.7	0.22	ug/kg
4801674761A	4801674761A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.7	0.30	ug/kg
4801674761A	4801674761A	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	1.7	0.82	ug/kg
4801674761A	4801674761A	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.7	0.21	ug/kg
4801674761A	4801674761A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.7	0.18	ug/kg
4801674761A	4801674761A	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.7	0.30	ug/kg
4801676231A	4801676231A	HEPTACHLOR	2/26/2014		Yes	N	U		U	1.7	0.26	ug/kg
4801676231A	4801676231A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/26/2014	0.371	Yes	Y	J		J	1.7	0.22	ug/kg
4801676231A	4801676231A	ALPHA ENDOSULFAN	2/26/2014		Yes	N	U		U	1.7	0.21	ug/kg
4801676231A	4801676231A	DIELDRIN	2/26/2014		Yes	N	U		U	1.7	0.40	ug/kg
4801676231A	4801676231A	ENDOSULFAN SULFATE	2/26/2014		Yes	N	U		U	1.7	0.31	ug/kg
4801676231A	4801676231A	ENDRIN	2/26/2014		Yes	N	U		U	1.7	0.23	ug/kg
4801676231A	4801676231A	ENDRIN ALDEHYDE	2/26/2014		Yes	N	U		U	1.7	0.42	ug/kg
4801676231A	4801676231A	ENDRIN KETONE	2/26/2014		Yes	N	U		U	1.7	0.41	ug/kg
4801676231A	4801676231A	GAMMA BHC (LINDANE)	2/26/2014		Yes	N	U		U	1.7	0.20	ug/kg
4801676231A	4801676231A	GAMMA CHLORDANE	2/26/2014		Yes	N	U		U	1.7	0.53	ug/kg
4801676231A	4801676231A	BETA ENDOSULFAN	2/26/2014		Yes	N	U		U	1.7	0.30	ug/kg
4801676231A	4801676231A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	1.7	0.30	ug/kg
4801676231A	4801676231A	METHOXYCHLOR	2/26/2014		Yes	N	U		U	1.7	0.23	ug/kg
4801676231A	4801676231A	P,P'-DDD	2/26/2014		Yes	N	U		U	1.7	0.32	ug/kg
4801676231A	4801676231A	P,P'-DDE	2/26/2014		Yes	N	U		U	1.7	0.25	ug/kg
4801676231A	4801676231A	P,P'-DDT	2/26/2014		Yes	N	U		U	1.7	0.17	ug/kg
4801676231A	4801676231A	TOXAPHENE	2/26/2014		Yes	N	U		U	17	9.6	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801676231A	4801676231A	HEPTACHLOR EPOXIDE	2/26/2014		Yes	N	U		U	1.7	0.43	ug/kg
4801676231A	4801676231A	ALPHA CHLORDANE	2/26/2014		Yes	N	U		U	1.7	0.83	ug/kg
4801676231A	4801676231A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	1.7	0.18	ug/kg
4801676231A	4801676231A	ALDRIN	2/26/2014		Yes	N	U		U	1.7	0.41	ug/kg
CC-C-042-0-2-20140220	480-55087-4	P,P'-DDT	2/25/2014	80	Yes	Y	J		J	190	19	ug/kg
CC-C-042-0-2-20140220	480-55087-4	ENDRIN	2/25/2014		Yes	N	U		U	190	26	ug/kg
CC-C-042-0-2-20140220	480-55087-4	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	190	25	ug/kg
CC-C-042-0-2-20140220	480-55087-4	METHOXYCHLOR	2/25/2014		Yes	N	U		U	190	26	ug/kg
CC-C-042-0-2-20140220	480-55087-4	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	190	48	ug/kg
CC-C-042-0-2-20140220	480-55087-4	HEPTACHLOR	2/25/2014		Yes	N	U		U	190	29	ug/kg
CC-C-042-0-2-20140220	480-55087-4	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	190	59	ug/kg
CC-C-042-0-2-20140220	480-55087-4	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	190	23	ug/kg
CC-C-042-0-2-20140220	480-55087-4	ENDRIN KETONE	2/25/2014		Yes	N	U		U	190	46	ug/kg
CC-C-042-0-2-20140220	480-55087-4	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	190	47	ug/kg
CC-C-042-0-2-20140220	480-55087-4	P,P'-DDE	2/25/2014		Yes	N	U		U	190	28	ug/kg
CC-C-042-0-2-20140220	480-55087-4	DIELDRIN	2/25/2014		Yes	N	U		U	190	45	ug/kg
CC-C-042-0-2-20140220	480-55087-4	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	190	33	ug/kg
CC-C-042-0-2-20140220	480-55087-4	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	190	20	ug/kg
CC-C-042-0-2-20140220	480-55087-4	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	190	23	ug/kg
CC-C-042-0-2-20140220	480-55087-4	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	190	92	ug/kg
CC-C-042-0-2-20140220	480-55087-4	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	190	33	ug/kg
CC-C-042-0-2-20140220	480-55087-4	ALDRIN	2/25/2014		Yes	N	U		U	190	46	ug/kg
CC-C-042-0-2-20140220	480-55087-4	TOXAPHENE	2/25/2014		Yes	N	U	UJ	UJ	1900	1100	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-042-0-2-20140220	480-55087-4	P,P'-DDD	2/25/2014	51	Yes	Y	J	J	J	190	36	ug/kg
CC-C-042-0-2-20140220	480-55087-4	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	190	35	ug/kg
CC-C-042-2-4-20140220	480-55087-5	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	91	11	ug/kg
CC-C-042-2-4-20140220	480-55087-5	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	91	9.8	ug/kg
CC-C-042-2-4-20140220	480-55087-5	P,P'-DDD	2/25/2014	29	Yes	Y	J		J	91	18	ug/kg
CC-C-042-2-4-20140220	480-55087-5	METHOXYCHLOR	2/25/2014		Yes	N	U		U	91	12	ug/kg
CC-C-042-2-4-20140220	480-55087-5	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	91	23	ug/kg
CC-C-042-2-4-20140220	480-55087-5	HEPTACHLOR	2/25/2014		Yes	N	U		U	91	14	ug/kg
CC-C-042-2-4-20140220	480-55087-5	GAMMA CHLORDANE	2/25/2014	55	Yes	Y	J		J	91	29	ug/kg
CC-C-042-2-4-20140220	480-55087-5	ALDRIN	2/25/2014		Yes	N	U		U	91	22	ug/kg
CC-C-042-2-4-20140220	480-55087-5	P,P'-DDT	2/25/2014	42	Yes	Y	J		J	91	9.2	ug/kg
CC-C-042-2-4-20140220	480-55087-5	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	91	16	ug/kg
CC-C-042-2-4-20140220	480-55087-5	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	91	11	ug/kg
CC-C-042-2-4-20140220	480-55087-5	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	91	16	ug/kg
CC-C-042-2-4-20140220	480-55087-5	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	91	12	ug/kg
CC-C-042-2-4-20140220	480-55087-5	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	91	17	ug/kg
CC-C-042-2-4-20140220	480-55087-5	P,P'-DDE	2/25/2014	24	Yes	Y	J		J	91	14	ug/kg
CC-C-042-2-4-20140220	480-55087-5	ENDRIN	2/25/2014		Yes	N	U		U	91	12	ug/kg
CC-C-042-2-4-20140220	480-55087-5	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	91	23	ug/kg
CC-C-042-2-4-20140220	480-55087-5	ALPHA CHLORDANE	2/25/2014	49	Yes	Y	J	J	J	91	45	ug/kg
CC-C-042-2-4-20140220	480-55087-5	TOXAPHENE	2/25/2014		Yes	N	U	UJ	UJ	910	530	ug/kg
CC-C-042-2-4-20140220	480-55087-5	ENDRIN KETONE	2/25/2014		Yes	N	U		U	91	22	ug/kg
CC-C-042-2-4-20140220	480-55087-5	DIELDRIN	2/25/2014		Yes	N	U		U	91	22	ug/kg
CC-C-042-8-10-20140220	480-55087-7	TOXAPHENE	2/25/2014		Yes	N	U		U	17	10	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-042-8-10-20140220	480-55087-7	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.7	0.31	ug/kg
CC-C-042-8-10-20140220	480-55087-7	ENDRIN	2/25/2014		Yes	N	U		U	1.7	0.24	ug/kg
CC-C-042-8-10-20140220	480-55087-7	ALDRIN	2/25/2014		Yes	N	U		U	1.7	0.43	ug/kg
CC-C-042-8-10-20140220	480-55087-7	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.7	0.31	ug/kg
CC-C-042-8-10-20140220	480-55087-7	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	1.7	0.87	ug/kg
CC-C-042-8-10-20140220	480-55087-7	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.7	0.22	ug/kg
CC-C-042-8-10-20140220	480-55087-7	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.7	0.19	ug/kg
CC-C-042-8-10-20140220	480-55087-7	DIELDRIN	2/25/2014		Yes	N	U		U	1.7	0.42	ug/kg
CC-C-042-8-10-20140220	480-55087-7	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	1.7	0.32	ug/kg
CC-C-042-8-10-20140220	480-55087-7	P,P'-DDT	2/25/2014	0.68	Yes	Y	J		J	1.7	0.18	ug/kg
CC-C-042-8-10-20140220	480-55087-7	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	1.7	0.44	ug/kg
CC-C-042-8-10-20140220	480-55087-7	ENDRIN KETONE	2/25/2014	0.49	Yes	Y	J		J	1.7	0.43	ug/kg
CC-C-042-8-10-20140220	480-55087-7	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	1.7	0.21	ug/kg
CC-C-042-8-10-20140220	480-55087-7	GAMMA CHLORDANE	2/25/2014	0.55	Yes	Y	J		J	1.7	0.55	ug/kg
CC-C-042-8-10-20140220	480-55087-7	HEPTACHLOR	2/25/2014		Yes	N	U		U	1.7	0.27	ug/kg
CC-C-042-8-10-20140220	480-55087-7	METHOXYCHLOR	2/25/2014		Yes	N	U		U	1.7	0.24	ug/kg
CC-C-042-8-10-20140220	480-55087-7	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.7	0.23	ug/kg
CC-C-042-8-10-20140220	480-55087-7	P,P'-DDD	2/25/2014		Yes	N	U		U	1.7	0.34	ug/kg
CC-C-042-8-10-20140220	480-55087-7	P,P'-DDE	2/25/2014		Yes	N	U		U	1.7	0.26	ug/kg
CC-C-042-8-10-20140220	480-55087-7	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	1.7	0.45	ug/kg
CC-C-043-0-2-20140220	480-55087-8	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	180	23	ug/kg
CC-C-043-0-2-20140220	480-55087-8	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	180	34	ug/kg
CC-C-043-0-2-20140220	480-55087-8	DIELDRIN	2/25/2014		Yes	N	U		U	180	44	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-043-0-2-20140220	480-55087-8	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	180	24	ug/kg
CC-C-043-0-2-20140220	480-55087-8	TOXAPHENE	2/25/2014		Yes	N	U	UJ	UJ	1800	1100	ug/kg
CC-C-043-0-2-20140220	480-55087-8	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	180	20	ug/kg
CC-C-043-0-2-20140220	480-55087-8	METHOXYCHLOR	2/25/2014		Yes	N	U		U	180	25	ug/kg
CC-C-043-0-2-20140220	480-55087-8	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	180	91	ug/kg
CC-C-043-0-2-20140220	480-55087-8	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	180	33	ug/kg
CC-C-043-0-2-20140220	480-55087-8	ALDRIN	2/25/2014		Yes	N	U		U	180	45	ug/kg
CC-C-043-0-2-20140220	480-55087-8	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	180	33	ug/kg
CC-C-043-0-2-20140220	480-55087-8	P,P'-DDT	2/25/2014	72	Yes	Y	J		J	180	19	ug/kg
CC-C-043-0-2-20140220	480-55087-8	P,P'-DDD	2/25/2014	52	Yes	Y	J		J	180	36	ug/kg
CC-C-043-0-2-20140220	480-55087-8	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	180	47	ug/kg
CC-C-043-0-2-20140220	480-55087-8	HEPTACHLOR	2/25/2014		Yes	N	U		U	180	29	ug/kg
CC-C-043-0-2-20140220	480-55087-8	GAMMA CHLORDANE	2/25/2014	66	Yes	Y	J		J	180	58	ug/kg
CC-C-043-0-2-20140220	480-55087-8	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	180	23	ug/kg
CC-C-043-0-2-20140220	480-55087-8	ENDRIN KETONE	2/25/2014		Yes	N	U		U	180	45	ug/kg
CC-C-043-0-2-20140220	480-55087-8	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	180	47	ug/kg
CC-C-043-0-2-20140220	480-55087-8	ENDRIN	2/25/2014		Yes	N	U		U	180	25	ug/kg
CC-C-043-0-2-20140220	480-55087-8	P,P'-DDE	2/25/2014		Yes	N	U		U	180	27	ug/kg
CC-C-043-2-4-20140220	480-55087-9	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	18	3.4	ug/kg
CC-C-043-2-4-20140220	480-55087-9	DIELDRIN	2/25/2014	5.8	Yes	Y	J		J	18	4.3	ug/kg
CC-C-043-2-4-20140220	480-55087-9	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	18	4.6	ug/kg
CC-C-043-2-4-20140220	480-55087-9	ALDRIN	2/25/2014		Yes	N	U		U	18	4.4	ug/kg
CC-C-043-2-4-20140220	480-55087-9	ALPHA CHLORDANE	2/25/2014	16	Yes	Y	J		J	18	8.9	ug/kg
CC-C-043-2-4-20140220	480-55087-9	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	18	2.3	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-043-2-4-20140220	480-55087-9	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	18	1.9	ug/kg
CC-C-043-2-4-20140220	480-55087-9	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	18	2.4	ug/kg
CC-C-043-2-4-20140220	480-55087-9	ENDRIN	2/25/2014		Yes	N	U		U	18	2.5	ug/kg
CC-C-043-2-4-20140220	480-55087-9	ENDRIN KETONE	2/25/2014		Yes	N	U		U	18	4.4	ug/kg
CC-C-043-2-4-20140220	480-55087-9	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	18	2.2	ug/kg
CC-C-043-2-4-20140220	480-55087-9	P,P'-DDT	2/25/2014	11	Yes	Y	J		J	18	1.8	ug/kg
CC-C-043-2-4-20140220	480-55087-9	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	18	3.2	ug/kg
CC-C-043-2-4-20140220	480-55087-9	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	18	3.2	ug/kg
CC-C-043-2-4-20140220	480-55087-9	TOXAPHENE	2/25/2014		Yes	N	U		U	180	100	ug/kg
CC-C-043-2-4-20140220	480-55087-9	GAMMA CHLORDANE	2/25/2014	16	Yes	Y	J		J	18	5.7	ug/kg
CC-C-043-2-4-20140220	480-55087-9	P,P'-DDE	2/25/2014	9.1	Yes	Y	J		J	18	2.7	ug/kg
CC-C-043-2-4-20140220	480-55087-9	P,P'-DDD	2/25/2014	22	Yes	Y				18	3.5	ug/kg
CC-C-043-2-4-20140220	480-55087-9	METHOXYCHLOR	2/25/2014	6	Yes	Y	J		J	18	2.5	ug/kg
CC-C-043-2-4-20140220	480-55087-9	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	18	4.6	ug/kg
CC-C-043-2-4-20140220	480-55087-9	HEPTACHLOR	2/25/2014		Yes	N	U		U	18	2.8	ug/kg
CC-C-043-6-8-20140220	480-55087-10	ENDRIN	2/26/2014		Yes	N	U		U	93	13	ug/kg
CC-C-043-6-8-20140220	480-55087-10	TOXAPHENE	2/26/2014		Yes	N	U		U	930	540	ug/kg
CC-C-043-6-8-20140220	480-55087-10	ALDRIN	2/26/2014		Yes	N	U		U	93	23	ug/kg
CC-C-043-6-8-20140220	480-55087-10	ALPHA CHLORDANE	2/26/2014		Yes	N	U		U	93	46	ug/kg
CC-C-043-6-8-20140220	480-55087-10	ALPHA ENDOSULFAN	2/26/2014		Yes	N	U		U	93	12	ug/kg
CC-C-043-6-8-20140220	480-55087-10	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	93	10	ug/kg
CC-C-043-6-8-20140220	480-55087-10	BETA ENDOSULFAN	2/26/2014		Yes	N	U		U	93	17	ug/kg
CC-C-043-6-8-20140220	480-55087-10	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/26/2014	20	Yes	Y	BJ		J	93	12	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-043-6-8-20140220	480-55087-10	DIELDRIN	2/26/2014		Yes	N	U		U	93	22	ug/kg
CC-C-043-6-8-20140220	480-55087-10	ENDOSULFAN SULFATE	2/26/2014		Yes	N	U		U	93	17	ug/kg
CC-C-043-6-8-20140220	480-55087-10	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	93	17	ug/kg
CC-C-043-6-8-20140220	480-55087-10	ENDRIN ALDEHYDE	2/26/2014		Yes	N	U		U	93	24	ug/kg
CC-C-043-6-8-20140220	480-55087-10	ENDRIN KETONE	2/26/2014		Yes	N	U		U	93	23	ug/kg
CC-C-043-6-8-20140220	480-55087-10	GAMMA BHC (LINDANE)	2/26/2014		Yes	N	U		U	93	11	ug/kg
CC-C-043-6-8-20140220	480-55087-10	GAMMA CHLORDANE	2/26/2014		Yes	N	U		U	93	30	ug/kg
CC-C-043-6-8-20140220	480-55087-10	HEPTACHLOR	2/26/2014		Yes	N	U		U	93	15	ug/kg
CC-C-043-6-8-20140220	480-55087-10	HEPTACHLOR EPOXIDE	2/26/2014		Yes	N	U		U	93	24	ug/kg
CC-C-043-6-8-20140220	480-55087-10	METHOXYCHLOR	2/26/2014		Yes	N	U		U	93	13	ug/kg
CC-C-043-6-8-20140220	480-55087-10	P,P'-DDD	2/26/2014		Yes	N	U		U	93	18	ug/kg
CC-C-043-6-8-20140220	480-55087-10	P,P'-DDT	2/26/2014		Yes	N	U		U	93	9.5	ug/kg
CC-C-043-6-8-20140220	480-55087-10	P,P'-DDE	2/26/2014		Yes	N	U		U	93	14	ug/kg
CC-C-044-0-2-20140220	480-55087-13	P,P'-DDD	2/25/2014	29	Yes	Y	J		J	91	18	ug/kg
CC-C-044-0-2-20140220	480-55087-13	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	91	23	ug/kg
CC-C-044-0-2-20140220	480-55087-13	ALDRIN	2/25/2014		Yes	N	U		U	91	22	ug/kg
CC-C-044-0-2-20140220	480-55087-13	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	91	16	ug/kg
CC-C-044-0-2-20140220	480-55087-13	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	91	45	ug/kg
CC-C-044-0-2-20140220	480-55087-13	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	91	12	ug/kg
CC-C-044-0-2-20140220	480-55087-13	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	91	9.9	ug/kg
CC-C-044-0-2-20140220	480-55087-13	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	91	16	ug/kg
CC-C-044-0-2-20140220	480-55087-13	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	91	12	ug/kg
CC-C-044-0-2-20140220	480-55087-13	DIELDRIN	2/25/2014		Yes	N	U		U	91	22	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-044-0-2-20140220	480-55087-13	P,P'-DDT	2/25/2014	42	Yes	Y	J		J	91	9.3	ug/kg
CC-C-044-0-2-20140220	480-55087-13	ENDRIN	2/25/2014		Yes	N	U		U	91	13	ug/kg
CC-C-044-0-2-20140220	480-55087-13	TOXAPHENE	2/25/2014		Yes	N	U		U	910	530	ug/kg
CC-C-044-0-2-20140220	480-55087-13	ENDRIN KETONE	2/25/2014		Yes	N	U		U	91	22	ug/kg
CC-C-044-0-2-20140220	480-55087-13	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	91	11	ug/kg
CC-C-044-0-2-20140220	480-55087-13	GAMMA CHLORDANE	2/25/2014	42	Yes	Y	J		J	91	29	ug/kg
CC-C-044-0-2-20140220	480-55087-13	HEPTACHLOR	2/25/2014		Yes	N	U		U	91	14	ug/kg
CC-C-044-0-2-20140220	480-55087-13	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	91	24	ug/kg
CC-C-044-0-2-20140220	480-55087-13	METHOXYCHLOR	2/25/2014		Yes	N	U		U	91	13	ug/kg
CC-C-044-0-2-20140220	480-55087-13	P,P'-DDE	2/25/2014	26	Yes	Y	J		J	91	14	ug/kg
CC-C-044-0-2-20140220	480-55087-13	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	91	17	ug/kg
CC-C-044-4-6-20140220	480-55087-14	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.7	0.23	ug/kg
CC-C-044-4-6-20140220	480-55087-14	ENDRIN KETONE	2/25/2014		Yes	N	U		U	1.7	0.43	ug/kg
CC-C-044-4-6-20140220	480-55087-14	ALDRIN	2/25/2014		Yes	N	U		U	1.7	0.43	ug/kg
CC-C-044-4-6-20140220	480-55087-14	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.7	0.31	ug/kg
CC-C-044-4-6-20140220	480-55087-14	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	1.7	0.86	ug/kg
CC-C-044-4-6-20140220	480-55087-14	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.7	0.22	ug/kg
CC-C-044-4-6-20140220	480-55087-14	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.7	0.19	ug/kg
CC-C-044-4-6-20140220	480-55087-14	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.7	0.31	ug/kg
CC-C-044-4-6-20140220	480-55087-14	DIELDRIN	2/25/2014		Yes	N	U		U	1.7	0.42	ug/kg
CC-C-044-4-6-20140220	480-55087-14	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	1.7	0.32	ug/kg
CC-C-044-4-6-20140220	480-55087-14	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	1.7	0.44	ug/kg
CC-C-044-4-6-20140220	480-55087-14	TOXAPHENE	2/25/2014		Yes	N	U		U	17	10	ug/kg
CC-C-044-4-6-20140220	480-55087-14	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	1.7	0.21	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-044-4-6-20140220	480-55087-14	GAMMA CHLORDANE	2/25/2014	0.62	Yes	Y	J		J	1.7	0.55	ug/kg
CC-C-044-4-6-20140220	480-55087-14	HEPTACHLOR	2/25/2014		Yes	N	U		U	1.7	0.27	ug/kg
CC-C-044-4-6-20140220	480-55087-14	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	1.7	0.45	ug/kg
CC-C-044-4-6-20140220	480-55087-14	METHOXYCHLOR	2/25/2014		Yes	N	U		U	1.7	0.24	ug/kg
CC-C-044-4-6-20140220	480-55087-14	P,P'-DDD	2/25/2014		Yes	N	U		U	1.7	0.34	ug/kg
CC-C-044-4-6-20140220	480-55087-14	P,P'-DDE	2/25/2014		Yes	N	U		U	1.7	0.26	ug/kg
CC-C-044-4-6-20140220	480-55087-14	P,P'-DDT	2/25/2014	0.68	Yes	Y	J		J	1.7	0.18	ug/kg
CC-C-044-4-6-20140220	480-55087-14	ENDRIN	2/25/2014		Yes	N	U		U	1.7	0.24	ug/kg
CC-C-044-8-10-20140220	480-55087-16	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.8	0.19	ug/kg
CC-C-044-8-10-20140220	480-55087-16	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	1.8	0.33	ug/kg
CC-C-044-8-10-20140220	480-55087-16	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.8	0.24	ug/kg
CC-C-044-8-10-20140220	480-55087-16	METHOXYCHLOR	2/25/2014		Yes	N	U		U	1.8	0.25	ug/kg
CC-C-044-8-10-20140220	480-55087-16	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	1.8	0.46	ug/kg
CC-C-044-8-10-20140220	480-55087-16	HEPTACHLOR	2/25/2014		Yes	N	U		U	1.8	0.28	ug/kg
CC-C-044-8-10-20140220	480-55087-16	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	1.8	0.57	ug/kg
CC-C-044-8-10-20140220	480-55087-16	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	1.8	0.22	ug/kg
CC-C-044-8-10-20140220	480-55087-16	ENDRIN KETONE	2/25/2014		Yes	N	U		U	1.8	0.44	ug/kg
CC-C-044-8-10-20140220	480-55087-16	P,P'-DDE	2/25/2014		Yes	N	U		U	1.8	0.27	ug/kg
CC-C-044-8-10-20140220	480-55087-16	ENDRIN	2/25/2014		Yes	N	U		U	1.8	0.25	ug/kg
CC-C-044-8-10-20140220	480-55087-16	P,P'-DDT	2/25/2014		Yes	N	U		U	1.8	0.18	ug/kg
CC-C-044-8-10-20140220	480-55087-16	DIELDRIN	2/25/2014		Yes	N	U		U	1.8	0.43	ug/kg
CC-C-044-8-10-20140220	480-55087-16	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.8	0.32	ug/kg
CC-C-044-8-10-20140220	480-55087-16	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.8	0.22	ug/kg
CC-C-044-8-10-20140220	480-55087-16	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	1.8	0.89	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-044-8-10-20140220	480-55087-16	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.8	0.32	ug/kg
CC-C-044-8-10-20140220	480-55087-16	ALDRIN	2/25/2014		Yes	N	U		U	1.8	0.44	ug/kg
CC-C-044-8-10-20140220	480-55087-16	TOXAPHENE	2/25/2014		Yes	N	U	UJ	UJ	18	10	ug/kg
CC-C-044-8-10-20140220	480-55087-16	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	1.8	0.46	ug/kg
CC-C-044-8-10-20140220	480-55087-16	P,P'-DDD	2/25/2014		Yes	N	U		U	1.8	0.35	ug/kg
CC-C-045-0-2-20140220	480-55087-18	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	89	23	ug/kg
CC-C-045-0-2-20140220	480-55087-18	P,P'-DDT	2/25/2014	44	Yes	Y	J		J	89	9.1	ug/kg
CC-C-045-0-2-20140220	480-55087-18	P,P'-DDE	2/25/2014	26	Yes	Y	J		J	89	13	ug/kg
CC-C-045-0-2-20140220	480-55087-18	P,P'-DDD	2/25/2014	26	Yes	Y	J		J	89	17	ug/kg
CC-C-045-0-2-20140220	480-55087-18	METHOXYCHLOR	2/25/2014	21	Yes	Y	J		J	89	12	ug/kg
CC-C-045-0-2-20140220	480-55087-18	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	89	23	ug/kg
CC-C-045-0-2-20140220	480-55087-18	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	89	16	ug/kg
CC-C-045-0-2-20140220	480-55087-18	HEPTACHLOR	2/25/2014		Yes	N	U		U	89	14	ug/kg
CC-C-045-0-2-20140220	480-55087-18	GAMMA CHLORDANE	2/25/2014	41	Yes	Y	J		J	89	28	ug/kg
CC-C-045-0-2-20140220	480-55087-18	ENDRIN KETONE	2/25/2014		Yes	N	U		U	89	22	ug/kg
CC-C-045-0-2-20140220	480-55087-18	TOXAPHENE	2/25/2014		Yes	N	U		U	890	520	ug/kg
CC-C-045-0-2-20140220	480-55087-18	ENDRIN	2/25/2014		Yes	N	U		U	89	12	ug/kg
CC-C-045-0-2-20140220	480-55087-18	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	89	17	ug/kg
CC-C-045-0-2-20140220	480-55087-18	DIELDRIN	2/25/2014		Yes	N	U		U	89	21	ug/kg
CC-C-045-0-2-20140220	480-55087-18	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	89	12	ug/kg
CC-C-045-0-2-20140220	480-55087-18	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	89	9.6	ug/kg
CC-C-045-0-2-20140220	480-55087-18	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	89	44	ug/kg
CC-C-045-0-2-20140220	480-55087-18	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	89	16	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-045-0-2-20140220	480-55087-18	ALDRIN	2/25/2014		Yes	N	U		U	89	22	ug/kg
CC-C-045-0-2-20140220	480-55087-18	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	89	11	ug/kg
CC-C-045-0-2-20140220	480-55087-18	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	89	11	ug/kg
CC-C-045-4-6-20140220	480-55087-19	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	91	16	ug/kg
CC-C-045-4-6-20140220	480-55087-19	P,P'-DDE	2/25/2014	34	Yes	Y	J	J	J	91	14	ug/kg
CC-C-045-4-6-20140220	480-55087-19	TOXAPHENE	2/25/2014		Yes	N	U	UJ	UJ	910	530	ug/kg
CC-C-045-4-6-20140220	480-55087-19	P,P'-DDT	2/25/2014	44	Yes	Y	J		J	91	9.3	ug/kg
CC-C-045-4-6-20140220	480-55087-19	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	91	24	ug/kg
CC-C-045-4-6-20140220	480-55087-19	HEPTACHLOR	2/25/2014		Yes	N	U		U	91	14	ug/kg
CC-C-045-4-6-20140220	480-55087-19	GAMMA CHLORDANE	2/25/2014	47	Yes	Y	J		J	91	29	ug/kg
CC-C-045-4-6-20140220	480-55087-19	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	91	11	ug/kg
CC-C-045-4-6-20140220	480-55087-19	ENDRIN KETONE	2/25/2014		Yes	N	U		U	91	22	ug/kg
CC-C-045-4-6-20140220	480-55087-19	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	91	23	ug/kg
CC-C-045-4-6-20140220	480-55087-19	ENDRIN	2/25/2014		Yes	N	U		U	91	13	ug/kg
CC-C-045-4-6-20140220	480-55087-19	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	91	17	ug/kg
CC-C-045-4-6-20140220	480-55087-19	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	91	12	ug/kg
CC-C-045-4-6-20140220	480-55087-19	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	91	9.9	ug/kg
CC-C-045-4-6-20140220	480-55087-19	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	91	12	ug/kg
CC-C-045-4-6-20140220	480-55087-19	ALPHA CHLORDANE	2/25/2014	46	Yes	Y	J		J	91	45	ug/kg
CC-C-045-4-6-20140220	480-55087-19	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	91	16	ug/kg
CC-C-045-4-6-20140220	480-55087-19	ALDRIN	2/25/2014		Yes	N	U		U	91	22	ug/kg
CC-C-045-4-6-20140220	480-55087-19	P,P'-DDD	2/25/2014	30	Yes	Y	J	J	J	91	18	ug/kg
CC-C-045-4-6-20140220	480-55087-19	METHOXYCHLOR	2/25/2014	49	Yes	Y	J	J	J	91	13	ug/kg
CC-C-045-4-6-20140220	480-55087-19	DIELDRIN	2/25/2014		Yes	N	U		U	91	22	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-045-8-10-20140220	480-55087-21	METHOXYCHLOR	2/25/2014	22	Yes	Y	J		J	90	12	ug/kg
CC-C-045-8-10-20140220	480-55087-21	HEPTACHLOR	2/25/2014		Yes	N	U		U	90	14	ug/kg
CC-C-045-8-10-20140220	480-55087-21	P,P'-DDD	2/25/2014	28	Yes	Y	J		J	90	18	ug/kg
CC-C-045-8-10-20140220	480-55087-21	P,P'-DDT	2/25/2014		Yes	N	U		U	90	9.2	ug/kg
CC-C-045-8-10-20140220	480-55087-21	TOXAPHENE	2/25/2014		Yes	N	U		U	900	530	ug/kg
CC-C-045-8-10-20140220	480-55087-21	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	90	23	ug/kg
CC-C-045-8-10-20140220	480-55087-21	ALDRIN	2/25/2014		Yes	N	U		U	90	22	ug/kg
CC-C-045-8-10-20140220	480-55087-21	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	90	12	ug/kg
CC-C-045-8-10-20140220	480-55087-21	P,P'-DDE	2/25/2014	28	Yes	Y	J		J	90	14	ug/kg
CC-C-045-8-10-20140220	480-55087-21	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	90	16	ug/kg
CC-C-045-8-10-20140220	480-55087-21	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	90	45	ug/kg
CC-C-045-8-10-20140220	480-55087-21	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	90	11	ug/kg
CC-C-045-8-10-20140220	480-55087-21	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	90	16	ug/kg
CC-C-045-8-10-20140220	480-55087-21	GAMMA CHLORDANE	2/25/2014	40	Yes	Y	J		J	90	29	ug/kg
CC-C-045-8-10-20140220	480-55087-21	DIELDRIN	2/25/2014		Yes	N	U		U	90	22	ug/kg
CC-C-045-8-10-20140220	480-55087-21	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	90	17	ug/kg
CC-C-045-8-10-20140220	480-55087-21	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	90	11	ug/kg
CC-C-045-8-10-20140220	480-55087-21	ENDRIN	2/25/2014		Yes	N	U		U	90	12	ug/kg
CC-C-045-8-10-20140220	480-55087-21	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	90	23	ug/kg
CC-C-045-8-10-20140220	480-55087-21	ENDRIN KETONE	2/25/2014		Yes	N	U		U	90	22	ug/kg
CC-C-045-8-10-20140220	480-55087-21	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	90	9.7	ug/kg
CC-C-046-0-2-20140220	480-55087-25	P,P'-DDE	2/25/2014	10	Yes	Y	J	J	J	37	5.6	ug/kg
CC-C-046-0-2-20140220	480-55087-25	TOXAPHENE	2/25/2014		Yes	N	U		U	370	220	ug/kg
CC-C-046-0-2-20140220	480-55087-25	P,P'-DDT	2/25/2014		Yes	N	U		U	37	3.8	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-046-0-2-20140220	480-55087-25	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	37	6.9	ug/kg
CC-C-046-0-2-20140220	480-55087-25	ALDRIN	2/25/2014		Yes	N	U		U	37	9.1	ug/kg
CC-C-046-0-2-20140220	480-55087-25	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	37	6.7	ug/kg
CC-C-046-0-2-20140220	480-55087-25	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	37	4.7	ug/kg
CC-C-046-0-2-20140220	480-55087-25	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	37	4.0	ug/kg
CC-C-046-0-2-20140220	480-55087-25	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	37	6.7	ug/kg
CC-C-046-0-2-20140220	480-55087-25	P,P'-DDD	2/25/2014	9.5	Yes	Y	J		J	37	7.2	ug/kg
CC-C-046-0-2-20140220	480-55087-25	DIELDRIN	2/25/2014		Yes	N	U		U	37	8.9	ug/kg
CC-C-046-0-2-20140220	480-55087-25	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	37	9.6	ug/kg
CC-C-046-0-2-20140220	480-55087-25	ENDRIN	2/25/2014		Yes	N	U		U	37	5.1	ug/kg
CC-C-046-0-2-20140220	480-55087-25	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	37	9.5	ug/kg
CC-C-046-0-2-20140220	480-55087-25	ENDRIN KETONE	2/25/2014		Yes	N	U		U	37	9.1	ug/kg
CC-C-046-0-2-20140220	480-55087-25	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	37	4.6	ug/kg
CC-C-046-0-2-20140220	480-55087-25	GAMMA CHLORDANE	2/25/2014	27	Yes	Y	J		J	37	12	ug/kg
CC-C-046-0-2-20140220	480-55087-25	METHOXYCHLOR	2/25/2014		Yes	N	U		U	37	5.1	ug/kg
CC-C-046-0-2-20140220	480-55087-25	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	37	4.9	ug/kg
CC-C-046-0-2-20140220	480-55087-25	HEPTACHLOR	2/25/2014		Yes	N	U		U	37	5.8	ug/kg
CC-C-046-0-2-20140220	480-55087-25	ALPHA CHLORDANE	2/25/2014	23	Yes	Y	J	J	J	37	18	ug/kg
CC-C-046-4-6-20140220	480-55087-26	P,P'-DDE	2/25/2014	12	Yes	Y	J	J	J	36	5.5	ug/kg
CC-C-046-4-6-20140220	480-55087-26	P,P'-DDT	2/25/2014	21	Yes	Y	J	J	J	36	3.7	ug/kg
CC-C-046-4-6-20140220	480-55087-26	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	36	6.5	ug/kg
CC-C-046-4-6-20140220	480-55087-26	P,P'-DDD	2/25/2014	14	Yes	Y	J		J	36	7.1	ug/kg
CC-C-046-4-6-20140220	480-55087-26	METHOXYCHLOR	2/25/2014		Yes	N	U		U	36	5.0	ug/kg

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RI	MDL	Units
CC-C-046-4-6-20140220	480-55087-26	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	36	9.4	ug/kg
CC-C-046-4-6-20140220	480-55087-26	HEPTACHLOR	2/25/2014		Yes	N	U		U	36	5.7	ug/kg
CC-C-046-4-6-20140220	480-55087-26	GAMMA CHLORDANE	2/25/2014	29	Yes	Y	J		J	36	12	ug/kg
CC-C-046-4-6-20140220	480-55087-26	GAMMA BHC (LINDANE)	2/25/2014	7.4	Yes	Y	J		J	36	4.5	ug/kg
CC-C-046-4-6-20140220	480-55087-26	ALDRIN	2/25/2014		Yes	N	U		U	36	8.9	ug/kg
CC-C-046-4-6-20140220	480-55087-26	TOXAPHENE	2/25/2014		Yes	N	U		U	360	210	ug/kg
CC-C-046-4-6-20140220	480-55087-26	ALPHA CHLORDANE	2/25/2014	26	Yes	Y	J	J	J	36	18	ug/kg
CC-C-046-4-6-20140220	480-55087-26	DIELDRIN	2/25/2014		Yes	N	U		U	36	8.7	ug/kg
CC-C-046-4-6-20140220	480-55087-26	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	36	4.6	ug/kg
CC-C-046-4-6-20140220	480-55087-26	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	36	6.5	ug/kg
CC-C-046-4-6-20140220	480-55087-26	ENDRIN KETONE	2/25/2014	9	Yes	Y	J	J	J	36	8.9	ug/kg
CC-C-046-4-6-20140220	480-55087-26	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	36	4.8	ug/kg
CC-C-046-4-6-20140220	480-55087-26	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	36	6.8	ug/kg
CC-C-046-4-6-20140220	480-55087-26	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014	4.1	Yes	Y	J	JN	JN	36	3.9	ug/kg
CC-C-046-4-6-20140220	480-55087-26	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	36	9.3	ug/kg
CC-C-046-4-6-20140220	480-55087-26	ENDRIN	2/25/2014		Yes	N	U		U	36	5.0	ug/kg
CC-C-046-8-10-20140220	480-55087-28	P,P'-DDD	2/25/2014	4.8	Yes	Y	J		J	19	3.6	ug/kg
CC-C-046-8-10-20140220	480-55087-28	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	19	3.5	ug/kg
CC-C-046-8-10-20140220	480-55087-28	ENDRIN	2/25/2014		Yes	N	U		U	19	2.6	ug/kg
CC-C-046-8-10-20140220	480-55087-28	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	19	4.7	ug/kg
CC-C-046-8-10-20140220	480-55087-28	ENDRIN KETONE	2/25/2014		Yes	N	U		U	19	4.5	ug/kg
CC-C-046-8-10-20140220	480-55087-28	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	19	2.3	ug/kg
CC-C-046-8-10-20140220	480-55087-28	GAMMA CHLORDANE	2/25/2014	8	Yes	Y	J		J	19	5.9	ug/kg
CC-C-046-8-10-20140220	480-55087-28	TOXAPHENE	2/25/2014		Yes	N	U		U	190	110	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-046-8-10-20140220	480-55087-28	DIELDRIN	2/25/2014		Yes	N	U		U	19	4.4	ug/kg
CC-C-046-8-10-20140220	480-55087-28	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	19	3.3	ug/kg
CC-C-046-8-10-20140220	480-55087-28	P,P'-DDT	2/25/2014	7.8	Yes	Y	J		J	19	1.9	ug/kg
CC-C-046-8-10-20140220	480-55087-28	METHOXYCHLOR	2/25/2014		Yes	N	U		U	19	2.6	ug/kg
CC-C-046-8-10-20140220	480-55087-28	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	19	4.8	ug/kg
CC-C-046-8-10-20140220	480-55087-28	HEPTACHLOR	2/25/2014		Yes	N	U		U	19	2.9	ug/kg
CC-C-046-8-10-20140220	480-55087-28	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	19	2.3	ug/kg
CC-C-046-8-10-20140220	480-55087-28	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	19	9.2	ug/kg
CC-C-046-8-10-20140220	480-55087-28	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	19	3.3	ug/kg
CC-C-046-8-10-20140220	480-55087-28	ALDRIN	2/25/2014		Yes	N	U		U	19	4.5	ug/kg
CC-C-046-8-10-20140220	480-55087-28	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	19	2.4	ug/kg
CC-C-046-8-10-20140220	480-55087-28	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	19	2.0	ug/kg
CC-C-046-8-10-20140220	480-55087-28	P,P'-DDE	2/25/2014	5	Yes	Y	J		J	19	2.8	ug/kg
CC-C-047-0-2-20140220	480-55087-29	METHOXYCHLOR	2/25/2014		Yes	N	U		U	36	4.9	ug/kg
CC-C-047-0-2-20140220	480-55087-29	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	36	3.8	ug/kg
CC-C-047-0-2-20140220	480-55087-29	ALDRIN	2/25/2014		Yes	N	U		U	36	8.8	ug/kg
CC-C-047-0-2-20140220	480-55087-29	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	36	6.4	ug/kg
CC-C-047-0-2-20140220	480-55087-29	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	36	9.2	ug/kg
CC-C-047-0-2-20140220	480-55087-29	DIELDRIN	2/25/2014		Yes	N	U		U	36	8.6	ug/kg
CC-C-047-0-2-20140220	480-55087-29	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	36	4.5	ug/kg
CC-C-047-0-2-20140220	480-55087-29	P,P'-DDT	2/25/2014	20	Yes	Y	J		J	36	3.6	ug/kg
CC-C-047-0-2-20140220	480-55087-29	HEPTACHLOR	2/25/2014		Yes	N	U		U	36	5.6	ug/kg
CC-C-047-0-2-20140220	480-55087-29	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	36	6.4	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-047-0-2-20140220	480-55087-29	GAMMA CHLORDANE	2/25/2014	35	Yes	Y	J		J	36	11	ug/kg
CC-C-047-0-2-20140220	480-55087-29	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	36	4.4	ug/kg
CC-C-047-0-2-20140220	480-55087-29	ENDRIN KETONE	2/25/2014		Yes	N	U		U	36	8.8	ug/kg
CC-C-047-0-2-20140220	480-55087-29	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	36	6.6	ug/kg
CC-C-047-0-2-20140220	480-55087-29	ENDRIN	2/25/2014		Yes	N	U		U	36	4.9	ug/kg
CC-C-047-0-2-20140220	480-55087-29	P,P'-DDD	2/25/2014		Yes	N	U		U	36	6.9	ug/kg
CC-C-047-0-2-20140220	480-55087-29	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	36	9.1	ug/kg
CC-C-047-0-2-20140220	480-55087-29	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014	9.5	Yes	Y	BJ		J	36	4.7	ug/kg
CC-C-047-0-2-20140220	480-55087-29	P,P'-DDE	2/25/2014		Yes	N	U		U	36	5.3	ug/kg
CC-C-047-0-2-20140220	480-55087-29	ALPHA CHLORDANE	2/25/2014	32	Yes	Y	J	J	J	36	18	ug/kg
CC-C-047-0-2-20140220	480-55087-29	TOXAPHENE	2/25/2014		Yes	N	U		U	360	210	ug/kg
CC-C-047-2-4-20140220	480-55087-30	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	190	48	ug/kg
CC-C-047-2-4-20140220	480-55087-30	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	190	24	ug/kg
CC-C-047-2-4-20140220	480-55087-30	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	190	33	ug/kg
CC-C-047-2-4-20140220	480-55087-30	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	190	20	ug/kg
CC-C-047-2-4-20140220	480-55087-30	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	190	23	ug/kg
CC-C-047-2-4-20140220	480-55087-30	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	190	34	ug/kg
CC-C-047-2-4-20140220	480-55087-30	ENDRIN	2/25/2014		Yes	N	U		U	190	25	ug/kg
CC-C-047-2-4-20140220	480-55087-30	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	190	47	ug/kg
CC-C-047-2-4-20140220	480-55087-30	ENDRIN KETONE	2/25/2014		Yes	N	U		U	190	45	ug/kg
CC-C-047-2-4-20140220	480-55087-30	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	190	23	ug/kg
CC-C-047-2-4-20140220	480-55087-30	HEPTACHLOR	2/25/2014		Yes	N	U		U	190	29	ug/kg
CC-C-047-2-4-20140220	480-55087-30	METHOXYCHLOR	2/25/2014		Yes	N	U		U	190	25	ug/kg
CC-C-047-2-4-20140220	480-55087-30	P,P'-DDD	2/25/2014		Yes	N	U		U	190	36	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-047-2-4-20140220	480-55087-30	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	190	33	ug/kg
CC-C-047-2-4-20140220	480-55087-30	P,P'-DDT	2/25/2014		Yes	N	U		U	190	19	ug/kg
CC-C-047-2-4-20140220	480-55087-30	TOXAPHENE	2/25/2014		Yes	N	U		U	1900	1100	ug/kg
CC-C-047-2-4-20140220	480-55087-30	P,P'-DDE	2/25/2014		Yes	N	U		U	190	28	ug/kg
CC-C-047-2-4-20140220	480-55087-30	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	190	92	ug/kg
CC-C-047-2-4-20140220	480-55087-30	DIELDRIN	2/25/2014		Yes	N	U		U	190	44	ug/kg
CC-C-047-2-4-20140220	480-55087-30	ALDRIN	2/25/2014		Yes	N	U		U	190	45	ug/kg
CC-C-047-2-4-20140220	480-55087-30	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	190	59	ug/kg
CC-C-047-8-10-20140220	480-55087-31	P,P'-DDT	2/25/2014	19	Yes	Y	J	J	J	37	3.8	ug/kg
CC-C-047-8-10-20140220	480-55087-31	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	37	6.7	ug/kg
CC-C-047-8-10-20140220	480-55087-31	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	37	4.9	ug/kg
CC-C-047-8-10-20140220	480-55087-31	DIELDRIN	2/25/2014		Yes	N	U		U	37	8.9	ug/kg
CC-C-047-8-10-20140220	480-55087-31	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	37	6.9	ug/kg
CC-C-047-8-10-20140220	480-55087-31	ENDRIN	2/25/2014		Yes	N	U		U	37	5.1	ug/kg
CC-C-047-8-10-20140220	480-55087-31	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	37	9.5	ug/kg
CC-C-047-8-10-20140220	480-55087-31	ENDRIN KETONE	2/25/2014		Yes	N	U		U	37	9.1	ug/kg
CC-C-047-8-10-20140220	480-55087-31	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	37	4.0	ug/kg
CC-C-047-8-10-20140220	480-55087-31	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	37	4.7	ug/kg
CC-C-047-8-10-20140220	480-55087-31	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	37	6.7	ug/kg
CC-C-047-8-10-20140220	480-55087-31	TOXAPHENE	2/25/2014		Yes	N	U		U	370	220	ug/kg
CC-C-047-8-10-20140220	480-55087-31	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	37	18	ug/kg
CC-C-047-8-10-20140220	480-55087-31	P,P'-DDD	2/25/2014	11	Yes	Y	J		J	37	7.2	ug/kg
CC-C-047-8-10-20140220	480-55087-31	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	37	4.6	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-047-8-10-20140220	480-55087-31	GAMMA CHLORDANE	2/25/2014	20	Yes	Y	J		J	37	12	ug/kg
CC-C-047-8-10-20140220	480-55087-31	HEPTACHLOR	2/25/2014		Yes	N	U		U	37	5.8	ug/kg
CC-C-047-8-10-20140220	480-55087-31	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	37	9.6	ug/kg
CC-C-047-8-10-20140220	480-55087-31	METHOXYCHLOR	2/25/2014		Yes	N	U		U	37	5.1	ug/kg
CC-C-047-8-10-20140220	480-55087-31	ALDRIN	2/25/2014		Yes	N	U		U	37	9.1	ug/kg
CC-C-047-8-10-20140220	480-55087-31	P,P'-DDE	2/25/2014	11	Yes	Y	J		J	37	5.6	ug/kg
DUP026-20140220	480-55087-12	TOXAPHENE	2/25/2014		Yes	N	U		U	1800	1100	ug/kg
DUP026-20140220	480-55087-12	P,P'-DDE	2/25/2014		Yes	N	U		U	180	27	ug/kg
DUP026-20140220	480-55087-12	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	180	33	ug/kg
DUP026-20140220	480-55087-12	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	180	90	ug/kg
DUP026-20140220	480-55087-12	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	180	23	ug/kg
DUP026-20140220	480-55087-12	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	180	20	ug/kg
DUP026-20140220	480-55087-12	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	180	33	ug/kg
DUP026-20140220	480-55087-12	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	180	24	ug/kg
DUP026-20140220	480-55087-12	P,P'-DDT	2/25/2014	80	Yes	Y	J		J	180	18	ug/kg
DUP026-20140220	480-55087-12	ALDRIN	2/25/2014		Yes	N	U		U	180	45	ug/kg
DUP026-20140220	480-55087-12	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	180	34	ug/kg
DUP026-20140220	480-55087-12	P,P'-DDD	2/25/2014	49	Yes	Y	J		J	180	35	ug/kg
DUP026-20140220	480-55087-12	DIELDRIN	2/25/2014		Yes	N	U		U	180	44	ug/kg
DUP026-20140220	480-55087-12	ENDRIN	2/25/2014		Yes	N	U		U	180	25	ug/kg
DUP026-20140220	480-55087-12	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	180	46	ug/kg
DUP026-20140220	480-55087-12	ENDRIN KETONE	2/25/2014		Yes	N	U		U	180	45	ug/kg
DUP026-20140220	480-55087-12	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	180	22	ug/kg
DUP026-20140220	480-55087-12	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	180	58	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP026-20140220	480-55087-12	HEPTACHLOR	2/25/2014		Yes	N	U		U	180	28	ug/kg
DUP026-20140220	480-55087-12	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	180	47	ug/kg
DUP026-20140220	480-55087-12	METHOXYCHLOR	2/25/2014		Yes	N	U		U	180	25	ug/kg
FB027-20140220	480-55087-17	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	0.050	0.0053	ug/l
FB027-20140220	480-55087-17	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	0.050	0.016	ug/l
FB027-20140220	480-55087-17	ALDRIN	2/25/2014		Yes	N	U		U	0.050	0.0067	ug/l
FB027-20140220	480-55087-17	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	0.050	0.015	ug/l
FB027-20140220	480-55087-17	TOXAPHENE	2/25/2014		Yes	N	U		U	0.50	0.12	ug/l
FB027-20140220	480-55087-17	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	0.050	0.025	ug/l
FB027-20140220	480-55087-17	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	0.050	0.012	ug/l
FB027-20140220	480-55087-17	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	0.050	0.010	ug/l
FB027-20140220	480-55087-17	DIELDRIN	2/25/2014		Yes	N	U		U	0.050	0.0099	ug/l
FB027-20140220	480-55087-17	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014	0.0085	Yes	Y	J		J	0.050	0.0067	ug/l
FB027-20140220	480-55087-17	ENDRIN	2/25/2014		Yes	N	U		U	0.050	0.014	ug/l
FB027-20140220	480-55087-17	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	0.050	0.016	ug/l
FB027-20140220	480-55087-17	ENDRIN KETONE	2/25/2014		Yes	N	U		U	0.050	0.012	ug/l
FB027-20140220	480-55087-17	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	0.050	0.0061	ug/l
FB027-20140220	480-55087-17	P,P'-DDE	2/25/2014		Yes	N	U		U	0.050	0.012	ug/l
FB027-20140220	480-55087-17	HEPTACHLOR	2/25/2014		Yes	N	U		U	0.050	0.0086	ug/l
FB027-20140220	480-55087-17	METHOXYCHLOR	2/25/2014		Yes	N	U		U	0.050	0.014	ug/l
FB027-20140220	480-55087-17	P,P'-DDD	2/25/2014		Yes	N	U		U	0.050	0.0093	ug/l
FB027-20140220	480-55087-17	P,P'-DDT	2/25/2014		Yes	N	U		U	0.050	0.011	ug/l
FB027-20140220	480-55087-17	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	0.050	0.011	ug/l
FB027-20140220	480-55087-17	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	0.050	0.011	ug/l

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-048-0-2-20140220	480-55087-22	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	1.9	0.23	ug/kg
LT-C-048-0-2-20140220	480-55087-22	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.9	0.33	ug/kg
LT-C-048-0-2-20140220	480-55087-22	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.9	0.23	ug/kg
LT-C-048-0-2-20140220	480-55087-22	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.9	0.33	ug/kg
LT-C-048-0-2-20140220	480-55087-22	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.9	0.24	ug/kg
LT-C-048-0-2-20140220	480-55087-22	DIELDRIN	2/25/2014		Yes	N	U		U	1.9	0.44	ug/kg
LT-C-048-0-2-20140220	480-55087-22	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	1.9	0.35	ug/kg
LT-C-048-0-2-20140220	480-55087-22	ENDRIN	2/25/2014		Yes	N	U		U	1.9	0.26	ug/kg
LT-C-048-0-2-20140220	480-55087-22	ALDRIN	2/25/2014		Yes	N	U		U	1.9	0.46	ug/kg
LT-C-048-0-2-20140220	480-55087-22	ENDRIN KETONE	2/25/2014		Yes	N	U		U	1.9	0.46	ug/kg
LT-C-048-0-2-20140220	480-55087-22	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	1.9	0.92	ug/kg
LT-C-048-0-2-20140220	480-55087-22	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	1.9	0.59	ug/kg
LT-C-048-0-2-20140220	480-55087-22	HEPTACHLOR	2/25/2014		Yes	N	U		U	1.9	0.29	ug/kg
LT-C-048-0-2-20140220	480-55087-22	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	1.9	0.48	ug/kg
LT-C-048-0-2-20140220	480-55087-22	METHOXYCHLOR	2/25/2014		Yes	N	U		U	1.9	0.26	ug/kg
LT-C-048-0-2-20140220	480-55087-22	P,P'-DDD	2/25/2014		Yes	N	U		U	1.9	0.36	ug/kg
LT-C-048-0-2-20140220	480-55087-22	P,P'-DDE	2/25/2014		Yes	N	U		U	1.9	0.28	ug/kg
LT-C-048-0-2-20140220	480-55087-22	P,P'-DDT	2/25/2014	0.75	Yes	Y	J		J	1.9	0.19	ug/kg
LT-C-048-0-2-20140220	480-55087-22	TOXAPHENE	2/25/2014		Yes	N	U		U	19	11	ug/kg
LT-C-048-0-2-20140220	480-55087-22	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	1.9	0.47	ug/kg
LT-C-048-0-2-20140220	480-55087-22	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.9	0.20	ug/kg
LT-C-048-2-4-20140220	480-55087-23	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	18	2.4	ug/kg
LT-C-048-2-4-20140220	480-55087-23	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	18	5.9	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-048-2-4-20140220	480-55087-23	ALDRIN	2/25/2014		Yes	N	U		U	18	4.5	ug/kg
LT-C-048-2-4-20140220	480-55087-23	P,P'-DDD	2/25/2014		Yes	N	U		U	18	3.6	ug/kg
LT-C-048-2-4-20140220	480-55087-23	METHOXYCHLOR	2/25/2014		Yes	N	U		U	18	2.5	ug/kg
LT-C-048-2-4-20140220	480-55087-23	P,P'-DDE	2/25/2014		Yes	N	U		U	18	2.8	ug/kg
LT-C-048-2-4-20140220	480-55087-23	P,P'-DDT	2/25/2014		Yes	N	U		U	18	1.9	ug/kg
LT-C-048-2-4-20140220	480-55087-23	TOXAPHENE	2/25/2014		Yes	N	U		U	180	110	ug/kg
LT-C-048-2-4-20140220	480-55087-23	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	18	3.3	ug/kg
LT-C-048-2-4-20140220	480-55087-23	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	18	3.3	ug/kg
LT-C-048-2-4-20140220	480-55087-23	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	18	9.2	ug/kg
LT-C-048-2-4-20140220	480-55087-23	DIELDRIN	2/25/2014		Yes	N	U		U	18	4.4	ug/kg
LT-C-048-2-4-20140220	480-55087-23	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	18	3.4	ug/kg
LT-C-048-2-4-20140220	480-55087-23	ENDRIN	2/25/2014		Yes	N	U		U	18	2.5	ug/kg
LT-C-048-2-4-20140220	480-55087-23	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	18	4.7	ug/kg
LT-C-048-2-4-20140220	480-55087-23	ENDRIN KETONE	2/25/2014		Yes	N	U		U	18	4.5	ug/kg
LT-C-048-2-4-20140220	480-55087-23	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	18	2.3	ug/kg
LT-C-048-2-4-20140220	480-55087-23	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	18	4.8	ug/kg
LT-C-048-2-4-20140220	480-55087-23	HEPTACHLOR	2/25/2014		Yes	N	U		U	18	2.9	ug/kg
LT-C-048-2-4-20140220	480-55087-23	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	18	2.0	ug/kg
LT-C-048-2-4-20140220	480-55087-23	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	18	2.3	ug/kg
LT-C-048-6-8-20140220	480-55087-24	ENDRIN KETONE	2/25/2014		Yes	N	U		U	2.0	0.50	ug/kg
LT-C-048-6-8-20140220	480-55087-24	ALDRIN	2/25/2014		Yes	N	U	UJ	UJ	2.0	0.50	ug/kg
LT-C-048-6-8-20140220	480-55087-24	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	2.0	0.36	ug/kg
LT-C-048-6-8-20140220	480-55087-24	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	2.0	1.0	ug/kg
LT-C-048-6-8-20140220	480-55087-24	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U	UJ	UJ	2.0	0.25	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-048-6-8-20140220	480-55087-24	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	2.0	0.22	ug/kg
LT-C-048-6-8-20140220	480-55087-24	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	2.0	0.36	ug/kg
LT-C-048-6-8-20140220	480-55087-24	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	2.0	0.27	ug/kg
LT-C-048-6-8-20140220	480-55087-24	DIELDRIN	2/25/2014		Yes	N	U	UJ	UJ	2.0	0.48	ug/kg
LT-C-048-6-8-20140220	480-55087-24	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	2.0	0.38	ug/kg
LT-C-048-6-8-20140220	480-55087-24	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	2.0	0.52	ug/kg
LT-C-048-6-8-20140220	480-55087-24	P,P'-DDT	2/25/2014		Yes	N	U		U	2.0	0.21	ug/kg
LT-C-048-6-8-20140220	480-55087-24	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	2.0	0.25	ug/kg
LT-C-048-6-8-20140220	480-55087-24	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	2.0	0.64	ug/kg
LT-C-048-6-8-20140220	480-55087-24	HEPTACHLOR	2/25/2014		Yes	N	U	UJ	UJ	2.0	0.32	ug/kg
LT-C-048-6-8-20140220	480-55087-24	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U	UJ	UJ	2.0	0.52	ug/kg
LT-C-048-6-8-20140220	480-55087-24	METHOXYCHLOR	2/25/2014		Yes	N	U		U	2.0	0.28	ug/kg
LT-C-048-6-8-20140220	480-55087-24	P,P'-DDD	2/25/2014		Yes	N	U		U	2.0	0.39	ug/kg
LT-C-048-6-8-20140220	480-55087-24	P,P'-DDE	2/25/2014		Yes	N	U		U	2.0	0.30	ug/kg
LT-C-048-6-8-20140220	480-55087-24	TOXAPHENE	2/25/2014		Yes	N	U		U	20	12	ug/kg
LT-C-048-6-8-20140220	480-55087-24	ENDRIN	2/25/2014		Yes	N	U		U	2.0	0.28	ug/kg
LT-C-049-0-2-20140220	480-55087-32	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	37	4.0	ug/kg
LT-C-049-0-2-20140220	480-55087-32	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	37	4.8	ug/kg
LT-C-049-0-2-20140220	480-55087-32	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	37	6.6	ug/kg
LT-C-049-0-2-20140220	480-55087-32	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	37	6.8	ug/kg
LT-C-049-0-2-20140220	480-55087-32	HEPTACHLOR	2/25/2014		Yes	N	U		U	37	5.7	ug/kg
LT-C-049-0-2-20140220	480-55087-32	P,P'-DDE	2/25/2014		Yes	N	U		U	37	5.5	ug/kg
LT-C-049-0-2-20140220	480-55087-32	DIELDRIN	2/25/2014		Yes	N	U		U	37	8.8	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-049-0-2-20140220	480-55087-32	ALDRIN	2/25/2014		Yes	N	U		U	37	9.0	ug/kg
LT-C-049-0-2-20140220	480-55087-32	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	37	4.5	ug/kg
LT-C-049-0-2-20140220	480-55087-32	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	37	6.6	ug/kg
LT-C-049-0-2-20140220	480-55087-32	ENDRIN	2/25/2014		Yes	N	U		U	37	5.1	ug/kg
LT-C-049-0-2-20140220	480-55087-32	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	37	18	ug/kg
LT-C-049-0-2-20140220	480-55087-32	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	37	4.6	ug/kg
LT-C-049-0-2-20140220	480-55087-32	P,P'-DDT	2/25/2014		Yes	N	U		U	37	3.7	ug/kg
LT-C-049-0-2-20140220	480-55087-32	P,P'-DDD	2/25/2014		Yes	N	U		U	37	7.1	ug/kg
LT-C-049-0-2-20140220	480-55087-32	METHOXYCHLOR	2/25/2014		Yes	N	U		U	37	5.1	ug/kg
LT-C-049-0-2-20140220	480-55087-32	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	37	9.5	ug/kg
LT-C-049-0-2-20140220	480-55087-32	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	37	12	ug/kg
LT-C-049-0-2-20140220	480-55087-32	ENDRIN KETONE	2/25/2014		Yes	N	U		U	37	9.0	ug/kg
LT-C-049-0-2-20140220	480-55087-32	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	37	9.4	ug/kg
LT-C-049-0-2-20140220	480-55087-32	TOXAPHENE	2/25/2014		Yes	N	U		U	370	210	ug/kg
LT-C-049-2-4-20140220	480-55087-33	ENDOSULFAN SULFATE	2/25/2014	0.93	Yes	Y	J		J	1.9	0.36	ug/kg
LT-C-049-2-4-20140220	480-55087-33	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.9	0.21	ug/kg
LT-C-049-2-4-20140220	480-55087-33	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	1.9	0.61	ug/kg
LT-C-049-2-4-20140220	480-55087-33	HEPTACHLOR	2/25/2014		Yes	N	U		U	1.9	0.30	ug/kg
LT-C-049-2-4-20140220	480-55087-33	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	1.9	0.50	ug/kg
LT-C-049-2-4-20140220	480-55087-33	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.9	0.35	ug/kg
LT-C-049-2-4-20140220	480-55087-33	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.9	0.24	ug/kg
LT-C-049-2-4-20140220	480-55087-33	ENDRIN KETONE	2/25/2014		Yes	N	U		U	1.9	0.47	ug/kg
LT-C-049-2-4-20140220	480-55087-33	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	1.9	0.96	ug/kg
LT-C-049-2-4-20140220	480-55087-33	ENDRIN	2/25/2014		Yes	N	U		U	1.9	0.27	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-049-2-4-20140220	480-55087-33	DIELDRIN	2/25/2014		Yes	N	U		U	1.9	0.46	ug/kg
LT-C-049-2-4-20140220	480-55087-33	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.9	0.25	ug/kg
LT-C-049-2-4-20140220	480-55087-33	ALDRIN	2/25/2014		Yes	N	U		U	1.9	0.47	ug/kg
LT-C-049-2-4-20140220	480-55087-33	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	1.9	0.24	ug/kg
LT-C-049-2-4-20140220	480-55087-33	METHOXYCHLOR	2/25/2014		Yes	N	U		U	1.9	0.27	ug/kg
LT-C-049-2-4-20140220	480-55087-33	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.9	0.35	ug/kg
LT-C-049-2-4-20140220	480-55087-33	P,P'-DDE	2/25/2014		Yes	N	U		U	1.9	0.29	ug/kg
LT-C-049-2-4-20140220	480-55087-33	P,P'-DDT	2/25/2014		Yes	N	U		U	1.9	0.20	ug/kg
LT-C-049-2-4-20140220	480-55087-33	TOXAPHENE	2/25/2014		Yes	N	U		U	19	11	ug/kg
LT-C-049-2-4-20140220	480-55087-33	P,P'-DDD	2/25/2014		Yes	N	U		U	1.9	0.37	ug/kg
LT-C-049-2-4-20140220	480-55087-33	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	1.9	0.49	ug/kg
LT-C-049-8-10-20140220	480-55087-34	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	2.1	0.26	ug/kg
LT-C-049-8-10-20140220	480-55087-34	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	2.1	0.37	ug/kg
LT-C-049-8-10-20140220	480-55087-34	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	2.1	1.0	ug/kg
LT-C-049-8-10-20140220	480-55087-34	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	2.1	0.26	ug/kg
LT-C-049-8-10-20140220	480-55087-34	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	2.1	0.22	ug/kg
LT-C-049-8-10-20140220	480-55087-34	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	2.1	0.27	ug/kg
LT-C-049-8-10-20140220	480-55087-34	DIELDRIN	2/25/2014		Yes	N	U		U	2.1	0.50	ug/kg
LT-C-049-8-10-20140220	480-55087-34	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	2.1	0.39	ug/kg
LT-C-049-8-10-20140220	480-55087-34	ENDRIN	2/25/2014		Yes	N	U		U	2.1	0.29	ug/kg
LT-C-049-8-10-20140220	480-55087-34	ALDRIN	2/25/2014		Yes	N	U		U	2.1	0.51	ug/kg
LT-C-049-8-10-20140220	480-55087-34	ENDRIN KETONE	2/25/2014		Yes	N	U		U	2.1	0.51	ug/kg
LT-C-049-8-10-20140220	480-55087-34	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	2.1	0.37	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-049-8-10-20140220	480-55087-34	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	2.1	0.66	ug/kg
LT-C-049-8-10-20140220	480-55087-34	HEPTACHLOR	2/25/2014		Yes	N	U		U	2.1	0.32	ug/kg
LT-C-049-8-10-20140220	480-55087-34	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	2.1	0.53	ug/kg
LT-C-049-8-10-20140220	480-55087-34	METHOXYCHLOR	2/25/2014		Yes	N	U		U	2.1	0.29	ug/kg
LT-C-049-8-10-20140220	480-55087-34	P,P'-DDD	2/25/2014		Yes	N	U		U	2.1	0.40	ug/kg
LT-C-049-8-10-20140220	480-55087-34	P,P'-DDE	2/25/2014		Yes	N	U		U	2.1	0.31	ug/kg
LT-C-049-8-10-20140220	480-55087-34	P,P'-DDT	2/25/2014		Yes	N	U		U	2.1	0.21	ug/kg
LT-C-049-8-10-20140220	480-55087-34	TOXAPHENE	2/25/2014		Yes	N	U		U	21	12	ug/kg
LT-C-049-8-10-20140220	480-55087-34	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	2.1	0.53	ug/kg
LT-XC-020-02-20140220	480-55087-1	ENDRIN KETONE	2/25/2014		Yes	N	U		U	190	48	ug/kg
LT-XC-020-02-20140220	480-55087-1	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	190	35	ug/kg
LT-XC-020-02-20140220	480-55087-1	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	190	97	ug/kg
LT-XC-020-02-20140220	480-55087-1	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	190	24	ug/kg
LT-XC-020-02-20140220	480-55087-1	TOXAPHENE	2/25/2014		Yes	N	U		U	1900	1100	ug/kg
LT-XC-020-02-20140220	480-55087-1	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	190	21	ug/kg
LT-XC-020-02-20140220	480-55087-1	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	190	35	ug/kg
LT-XC-020-02-20140220	480-55087-1	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	190	26	ug/kg
LT-XC-020-02-20140220	480-55087-1	DIELDRIN	2/25/2014		Yes	N	U		U	190	47	ug/kg
LT-XC-020-02-20140220	480-55087-1	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	190	36	ug/kg
LT-XC-020-02-20140220	480-55087-1	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	190	24	ug/kg
LT-XC-020-02-20140220	480-55087-1	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	190	50	ug/kg
LT-XC-020-02-20140220	480-55087-1	P,P'-DDT	2/25/2014	80	Yes	Y	J		J	190	20	ug/kg
LT-XC-020-02-20140220	480-55087-1	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	190	62	ug/kg
LT-XC-020-02-20140220	480-55087-1	METHOXYCHLOR	2/25/2014		Yes	N	U		U	190	27	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-XC-020-02-20140220	480-55087-1	ALDRIN	2/25/2014		Yes	N	U		U	190	48	ug/kg
LT-XC-020-02-20140220	480-55087-1	HEPTACHLOR	2/25/2014		Yes	N	U		U	190	30	ug/kg
LT-XC-020-02-20140220	480-55087-1	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	190	50	ug/kg
LT-XC-020-02-20140220	480-55087-1	P,P'-DDD	2/25/2014	52	Yes	Y	J		J	190	38	ug/kg
LT-XC-020-02-20140220	480-55087-1	ENDRIN	2/25/2014		Yes	N	U		U	190	27	ug/kg
LT-XC-020-02-20140220	480-55087-1	P,P'-DDE	2/25/2014		Yes	N	U		U	190	29	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	2.0	0.26	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	2.0	0.52	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	P,P'-DDD	2/25/2014		Yes	N	U		U	2.0	0.39	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	HEPTACHLOR	2/25/2014		Yes	N	U		U	2.0	0.32	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	P,P'-DDE	2/25/2014		Yes	N	U		U	2.0	0.30	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	ALDRIN	2/25/2014		Yes	N	U		U	2.0	0.50	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	2.0	0.22	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	2.0	0.64	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	2.0	0.36	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	2.0	0.52	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	2.0	0.27	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	DIELDRIN	2/25/2014		Yes	N	U		U	2.0	0.49	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	P,P'-DDT	2/25/2014		Yes	N	U		U	2.0	0.21	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	TOXAPHENE	2/25/2014		Yes	N	U		U	20	12	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	METHOXYCHLOR	2/25/2014		Yes	N	U		U	2.0	0.28	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	2.0	0.38	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	2.0	0.25	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	ENDRIN KETONE	2/25/2014		Yes	N	U		U	2.0	0.50	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-XC-020-4-6-20140220	480-55087-2	ENDRIN	2/25/2014		Yes	N	U		U	2.0	0.28	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	2.0	1.0	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	2.0	0.36	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	1.9	0.35	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	DIELDRIN	2/25/2014		Yes	N	U		U	1.9	0.45	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.9	0.25	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.9	0.34	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.9	0.20	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.9	0.24	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	ENDRIN	2/25/2014		Yes	N	U		U	1.9	0.26	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.9	0.34	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	1.9	0.49	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	1.9	0.94	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	1.9	0.48	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	ENDRIN KETONE	2/25/2014		Yes	N	U		U	1.9	0.47	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	1.9	0.23	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	HEPTACHLOR	2/25/2014		Yes	N	U		U	1.9	0.30	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	METHOXYCHLOR	2/25/2014		Yes	N	U		U	1.9	0.26	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	P,P'-DDD	2/25/2014	0.47	Yes	Y	J		J	1.9	0.37	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	P,P'-DDE	2/25/2014	0.51	Yes	Y	J		J	1.9	0.28	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	P,P'-DDT	2/25/2014	0.85	Yes	Y	J		J	1.9	0.19	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	TOXAPHENE	2/25/2014		Yes	N	U		U	19	11	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	ALDRIN	2/25/2014		Yes	N	U		U	1.9	0.47	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	1.9	0.60	ug/kg

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Analytical Method		SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801673298A	4801673298A	TRANS-1,3-DICHLOROPROPENE	2/25/2014		Yes	N	U		U	100	4.8	ug/kg
4801673298A	4801673298A	N-BUTYLBENZENE	2/25/2014		Yes	N	U		U	100	29	ug/kg
4801673298A	4801673298A	CHLOROBENZENE	2/25/2014		Yes	N	U		U	100	13	ug/kg
4801673298A	4801673298A	CHLOROETHANE	2/25/2014		Yes	N	U		U	100	21	ug/kg
4801673298A	4801673298A	CHLOROFORM	2/25/2014		Yes	N	U		U	100	69	ug/kg
4801673298A	4801673298A	CHLOROMETHANE	2/25/2014		Yes	N	U		U	100	24	ug/kg
4801673298A	4801673298A	CIS-1,2-DICHLOROETHYLENE	2/25/2014		Yes	N	U		U	100	28	ug/kg
4801673298A	4801673298A	CIS-1,3-DICHLOROPROPENE	2/25/2014		Yes	N	U		U	100	24	ug/kg
4801673298A	4801673298A	CYCLOHEXANE	2/25/2014		Yes	N	U		U	100	22	ug/kg
4801673298A	4801673298A	DIBROMOCHLOROMETHANE	2/25/2014		Yes	N	U		U	100	48	ug/kg
4801673298A	4801673298A	DICHLORODIFLUOROMETHANE	2/25/2014		Yes	N	U		U	100	44	ug/kg
4801673298A	4801673298A	ETHYLBENZENE	2/25/2014		Yes	N	U		U	100	29	ug/kg
4801673298A	4801673298A	ISOPROPYLBENZENE (CUMENE)	2/25/2014		Yes	N	U		U	100	15	ug/kg
4801673298A	4801673298A	METHYL ACETATE	2/25/2014		Yes	N	U		U	100	48	ug/kg
4801673298A	4801673298A	CARBON TETRACHLORIDE	2/25/2014		Yes	N	U		U	100	26	ug/kg
4801673298A	4801673298A	METHYLENE CHLORIDE	2/25/2014		Yes	N	U		U	100	20	ug/kg
4801673298A	4801673298A	METHYL ETHYL KETONE (2-BUTANONE)	2/25/2014		Yes	N	U		U	500	300	ug/kg
4801673298A	4801673298A	1,1,1-TRICHLOROETHANE	2/25/2014		Yes	N	U		U	100	28	ug/kg
4801673298A	4801673298A	TOLUENE	2/25/2014		Yes	N	U		U	100	27	ug/kg
4801673298A	4801673298A	XYLENES, TOTAL	2/25/2014		Yes	N	U		U	200	17	ug/kg
4801673298A	4801673298A	VINYL CHLORIDE	2/25/2014		Yes	N	U		U	100	34	ug/kg
4801673298A	4801673298A	TRICHLOROFLUOROMETHANE	2/25/2014		Yes	N	U		U	100	47	ug/kg
4801673298A	4801673298A	TRICHLOROETHYLENE (TCE)	2/25/2014		Yes	N	U		U	100	28	ug/kg
4801673298A	4801673298A	TRANS-1,2-DICHLOROETHENE	2/25/2014		Yes	N	U		U	100	24	ug/kg

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Analytical Method		SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801673298A	4801673298A	TETRACHLOROETHYLENE(PCE)	2/25/2014		Yes	N	U		U	100	13	ug/kg
4801673298A	4801673298A	TERT-BUTYL METHYL ETHER	2/25/2014		Yes	N	U		U	100	38	ug/kg
4801673298A	4801673298A	T-BUTYLBENZENE	2/25/2014		Yes	N	U		U	100	28	ug/kg
4801673298A	4801673298A	STYRENE	2/25/2014		Yes	N	U		U	100	24	ug/kg
4801673298A	4801673298A	SEC-BUTYLBENZENE	2/25/2014		Yes	N	U		U	100	37	ug/kg
4801673298A	4801673298A	N-PROPYLBENZENE	2/25/2014		Yes	N	U		U	100	26	ug/kg
4801673298A	4801673298A	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	2/25/2014		Yes	N	U		U	500	32	ug/kg
4801673298A	4801673298A	BROMOMETHANE	2/25/2014		Yes	N	U		U	100	22	ug/kg
4801673298A	4801673298A	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	2/25/2014		Yes	N	U		U	100	30	ug/kg
4801673298A	4801673298A	1,3-DICHLOROBENZENE	2/25/2014		Yes	N	U		U	100	27	ug/kg
4801673298A	4801673298A	1,4-DICHLOROBENZENE	2/25/2014		Yes	N	U		U	100	14	ug/kg
4801673298A	4801673298A	1,2-DICHLOROPROPANE	2/25/2014		Yes	N	U		U	100	16	ug/kg
4801673298A	4801673298A	1,4-DIOXANE (P-DIOXANE)	2/25/2014		Yes	N	U		U	4000	2300	ug/kg
4801673298A	4801673298A	2-HEXANONE	2/25/2014		Yes	N	U		U	500	210	ug/kg
4801673298A	4801673298A	ACETONE	2/25/2014		Yes	N	U		U	500	410	ug/kg
4801673298A	4801673298A	BENZENE	2/25/2014		Yes	N	U		U	100	4.8	ug/kg
4801673298A	4801673298A	METHYLCYCLOHEXANE	2/25/2014		Yes	N	U		U	100	47	ug/kg
4801673298A	4801673298A	BROMOFORM	2/25/2014		Yes	N	U		U	100	50	ug/kg
4801673298A	4801673298A	CARBON DISULFIDE	2/25/2014		Yes	N	U		U	100	46	ug/kg
4801673298A	4801673298A	1,1-DICHLOROETHENE	2/25/2014		Yes	N	U		U	100	35	ug/kg
4801673298A	4801673298A	1,1,2,2-TETRACHLOROETHANE	2/25/2014		Yes	N	U		U	100	16	ug/kg
4801673298A	4801673298A	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	2/25/2014		Yes	N	U		U	100	50	ug/kg
4801673298A	4801673298A	1,1,2-TRICHLOROETHANE	2/25/2014		Yes	N	U		U	100	21	ug/kg
4801673298A	4801673298A	BROMODICHLOROMETHANE	2/25/2014		Yes	N	U		U	100	20	ug/kg

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Analytical Method		SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801673298A	4801673298A	1,1-DICHLOROETHANE	2/25/2014		Yes	N	U		U	100	31	ug/kg
4801673298A	4801673298A	1,2,4-TRICHLOROBENZENE	2/25/2014		Yes	N	U		U	100	38	ug/kg
4801673298A	4801673298A	1,2,4-TRIMETHYLBENZENE	2/25/2014		Yes	N	U		U	100	28	ug/kg
4801673298A	4801673298A	1,2-DIBROMO-3-CHLOROPROPANE	2/25/2014		Yes	N	U		U	100	50	ug/kg
4801673298A	4801673298A	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	2/25/2014		Yes	N	U		U	100	3.8	ug/kg
4801673298A	4801673298A	1,2-DICHLOROBENZENE	2/25/2014		Yes	N	U		U	100	26	ug/kg
4801673298A	4801673298A	1,2-DICHLOROETHANE	2/25/2014		Yes	N	U		U	100	41	ug/kg
CC-C-051-8-10-20140221	480-55087-36	CYCLOHEXANE	2/25/2014		Yes	N	U		U	550	120	ug/kg
CC-C-051-8-10-20140221	480-55087-36	N-BUTYLBENZENE	2/25/2014		Yes	N	U		U	550	160	ug/kg
CC-C-051-8-10-20140221	480-55087-36	METHYLENE CHLORIDE	2/25/2014		Yes	N	U		U	550	110	ug/kg
CC-C-051-8-10-20140221	480-55087-36	METHYLCYCLOHEXANE	2/25/2014	560	Yes	Y				550	260	ug/kg
CC-C-051-8-10-20140221	480-55087-36	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	2/25/2014		Yes	N	U		U	2800	180	ug/kg
CC-C-051-8-10-20140221	480-55087-36	METHYL ETHYL KETONE (2-BUTANONE)	2/25/2014		Yes	N	U		U	2800	1600	ug/kg
CC-C-051-8-10-20140221	480-55087-36	METHYL ACETATE	2/25/2014	520	Yes	Y	J		J	550	260	ug/kg
CC-C-051-8-10-20140221	480-55087-36	ISOPROPYLBENZENE (CUMENE)	2/25/2014	2100	Yes	Y				550	83	ug/kg
CC-C-051-8-10-20140221	480-55087-36	ETHYLBENZENE	2/25/2014	180	Yes	Y	J		J	550	160	ug/kg
CC-C-051-8-10-20140221	480-55087-36	DICHLORODIFLUOROMETHANE	2/25/2014		Yes	N	U		U	550	240	ug/kg
CC-C-051-8-10-20140221	480-55087-36	CIS-1,3-DICHLOROPROPENE	2/25/2014		Yes	N	U		U	550	130	ug/kg
CC-C-051-8-10-20140221	480-55087-36	BROMOMETHANE	2/25/2014		Yes	N	U		U	550	120	ug/kg
CC-C-051-8-10-20140221	480-55087-36	STYRENE	2/25/2014		Yes	N	U		U	550	130	ug/kg
CC-C-051-8-10-20140221	480-55087-36	CARBON DISULFIDE	2/25/2014		Yes	N	U		U	550	250	ug/kg
CC-C-051-8-10-20140221	480-55087-36	CARBON TETRACHLORIDE	2/25/2014		Yes	N	U		U	550	140	ug/kg
CC-C-051-8-10-20140221	480-55087-36	CHLOROBENZENE	2/25/2014	890	Yes	Y				550	73	ug/kg
CC-C-051-8-10-20140221	480-55087-36	CHLOROETHANE	2/25/2014		Yes	N	U		U	550	110	ug/kg

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Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-051-8-10-20140221	480-55087-36	BROMOFORM	2/25/2014		Yes	N	U		U	550	280	ug/kg
CC-C-051-8-10-20140221	480-55087-36	CHLOROFORM	2/25/2014		Yes	N	U		U	550	380	ug/kg
CC-C-051-8-10-20140221	480-55087-36	CHLOROMETHANE	2/25/2014		Yes	N	U		U	550	130	ug/kg
CC-C-051-8-10-20140221	480-55087-36	CIS-1,2-DICHLOROETHYLENE	2/25/2014		Yes	N	U		U	550	150	ug/kg
CC-C-051-8-10-20140221	480-55087-36	DIBROMOCHLOROMETHANE	2/25/2014		Yes	N	U		U	550	270	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,2,4-TRIMETHYLBENZENE	2/25/2014	640	Yes	Y				550	150	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,4-DICHLOROBENZENE	2/25/2014		Yes	N	U		U	550	77	ug/kg
CC-C-051-8-10-20140221	480-55087-36	SEC-BUTYLBENZENE	2/25/2014	5200	Yes	Y				550	200	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,1,2,2-TETRACHLOROETHANE	2/25/2014		Yes	N	U		U	550	90	ug/kg
CC-C-051-8-10-20140221	480-55087-36	N-PROPYLBENZENE	2/25/2014	6600	Yes	Y				550	140	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,1,2-TRICHLOROETHANE	2/25/2014		Yes	N	U		U	550	120	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,1-DICHLOROETHANE	2/25/2014		Yes	N	U		U	550	170	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,4-DIOXANE (P-DIOXANE)	2/25/2014		Yes	N	U		U	22000	13000	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,2,4-TRICHLOROBENZENE	2/25/2014		Yes	N	U		U	550	210	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,1,1-TRICHLOROETHANE	2/25/2014		Yes	N	U		U	550	150	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,2-DIBROMO-3-CHLOROPROPANE	2/25/2014		Yes	N	U		U	550	280	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	2/25/2014		Yes	N	U		U	550	21	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,2-DICHLOROBENZENE	2/25/2014		Yes	N	U		U	550	140	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,2-DICHLOROETHANE	2/25/2014		Yes	N	U		U	550	230	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,2-DICHLOROPROPANE	2/25/2014		Yes	N	U		U	550	89	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	2/25/2014		Yes	N	U		U	550	170	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,1-DICHLOROETHENE	2/25/2014		Yes	N	U		U	550	190	ug/kg
CC-C-051-8-10-20140221	480-55087-36	TOLUENE	2/25/2014		Yes	N	U		U	550	150	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,3-DICHLOROBENZENE	2/25/2014		Yes	N	U		U	550	150	ug/kg

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Analytical Method		SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-051-8-10-20140221	480-55087-36	T-BUTYLBENZENE	2/25/2014		Yes	N	U		U	550	150	ug/kg
CC-C-051-8-10-20140221	480-55087-36	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	2/25/2014		Yes	N	U		U	550	280	ug/kg
CC-C-051-8-10-20140221	480-55087-36	TETRACHLOROETHYLENE(PCE)	2/25/2014		Yes	N	U		U	550	74	ug/kg
CC-C-051-8-10-20140221	480-55087-36	2-HEXANONE	2/25/2014		Yes	N	U		U	2800	1100	ug/kg
CC-C-051-8-10-20140221	480-55087-36	TRANS-1,2-DICHLOROETHENE	2/25/2014		Yes	N	U		U	550	130	ug/kg
CC-C-051-8-10-20140221	480-55087-36	TRANS-1,3-DICHLOROPROPENE	2/25/2014		Yes	N	U		U	550	26	ug/kg
CC-C-051-8-10-20140221	480-55087-36	TRICHLOROETHYLENE (TCE)	2/25/2014		Yes	N	U		U	550	150	ug/kg
CC-C-051-8-10-20140221	480-55087-36	ACETONE	2/25/2014		Yes	N	U	UJ	UJ	2800	2300	ug/kg
CC-C-051-8-10-20140221	480-55087-36	VINYL CHLORIDE	2/25/2014		Yes	N	U		U	550	180	ug/kg
CC-C-051-8-10-20140221	480-55087-36	XYLENES, TOTAL	2/25/2014	310	Yes	Y	J		J	1100	93	ug/kg
CC-C-051-8-10-20140221	480-55087-36	BROMODICHLOROMETHANE	2/25/2014		Yes	N	U		U	550	110	ug/kg
CC-C-051-8-10-20140221	480-55087-36	BENZENE	2/25/2014		Yes	N	U		U	550	26	ug/kg
CC-C-051-8-10-20140221	480-55087-36	TRICHLOROFLUOROMETHANE	2/25/2014		Yes	N	U		U	550	260	ug/kg
CC-C-051-8-10-20140221	480-55087-36	TERT-BUTYL METHYL ETHER	2/25/2014		Yes	N	U		U	550	210	ug/kg

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672651A	4801672651A	2-CHLORONAPHTHALENE	2/25/2014		Yes	N	U		U	170	11	ug/kg
4801672651A	4801672651A	2,6-DINITROTOLUENE	2/25/2014		Yes	N	U		U	170	41	ug/kg
4801672651A	4801672651A	2,4-DINITROTOLUENE	2/25/2014		Yes	N	U		U	170	26	ug/kg
4801672651A	4801672651A	2,4-DINITROPHENOL	2/25/2014		Yes	N	U		U	320	58	ug/kg
4801672651A	4801672651A	2,4-DIMETHYLPHENOL	2/25/2014		Yes	N	U		U	170	45	ug/kg
4801672651A	4801672651A	2,4-DICHLOROPHENOL	2/25/2014		Yes	N	U		U	170	8.7	ug/kg
4801672651A	4801672651A	2,4,5-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	170	36	ug/kg
4801672651A	4801672651A	CARBAZOLE	2/25/2014		Yes	N	U		U	170	1.9	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672651A	4801672651A	2-CHLOROPHENOL	2/25/2014		Yes	N	U		U	170	8.4	ug/kg
4801672651A	4801672651A	2,4,6-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	170	11	ug/kg
4801672651A	4801672651A	HEXACHLOROBUTADIENE	2/25/2014		Yes	N	U		U	170	8.5	ug/kg
4801672651A	4801672651A	BIS(2-ETHYLHEXYL) PHTHALATE	2/25/2014		Yes	N	U		U	170	53	ug/kg
4801672651A	4801672651A	BIS(2-CHLOROISOPROPYL) ETHER	2/25/2014		Yes	N	U		U	170	17	ug/kg
4801672651A	4801672651A	CAPROLACTAM	2/25/2014		Yes	N	U		U	170	72	ug/kg
4801672651A	4801672651A	CHRYSENE	2/25/2014		Yes	N	U		U	170	1.7	ug/kg
4801672651A	4801672651A	DIBENZ(A,H)ANTHRACENE	2/25/2014		Yes	N	U		U	170	2.0	ug/kg
4801672651A	4801672651A	DIBENZOFURAN	2/25/2014		Yes	N	U		U	170	1.7	ug/kg
4801672651A	4801672651A	DIETHYL PHTHALATE	2/25/2014		Yes	N	U		U	170	5.0	ug/kg
4801672651A	4801672651A	DIMETHYL PHTHALATE	2/25/2014		Yes	N	U		U	170	4.3	ug/kg
4801672651A	4801672651A	DI-N-BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	170	57	ug/kg
4801672651A	4801672651A	DI-N-OCTYLPHTHALATE	2/25/2014		Yes	N	U		U	170	3.9	ug/kg
4801672651A	4801672651A	FLUORANTHENE	2/25/2014		Yes	N	U		U	170	2.4	ug/kg
4801672651A	4801672651A	BIS(2-CHLOROETHOXY) METHANE	2/25/2014		Yes	N	U		U	170	9.0	ug/kg
4801672651A	4801672651A	HEXACHLOROBENZENE	2/25/2014		Yes	N	U		U	170	8.2	ug/kg
4801672651A	4801672651A	BIPHENYL (DIPHENYL)	2/25/2014		Yes	N	U		U	170	10	ug/kg
4801672651A	4801672651A	HEXACHLOROCYCLOPENTADIENE	2/25/2014		Yes	N	U		U	170	50	ug/kg
4801672651A	4801672651A	HEXACHLOROETHANE	2/25/2014		Yes	N	U		U	170	13	ug/kg
4801672651A	4801672651A	INDENO(1,2,3-C,D)PYRENE	2/25/2014		Yes	N	U		U	170	4.6	ug/kg
4801672651A	4801672651A	ISOPHORONE	2/25/2014		Yes	N	U		U	170	8.3	ug/kg
4801672651A	4801672651A	NAPHTHALENE	2/25/2014		Yes	N	U		U	170	2.8	ug/kg
4801672651A	4801672651A	NITROBENZENE	2/25/2014		Yes	N	U		U	170	7.4	ug/kg
4801672651A	4801672651A	N-NITROSODI-N-PROPYLAMINE	2/25/2014		Yes	N	U		U	170	13	ug/kg
4801672651A	4801672651A	N-NITROSODIPHENYLAMINE	2/25/2014		Yes	N	U		U	170	9.1	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672651A	4801672651A	PENTACHLOROPHENOL	2/25/2014		Yes	N	U		U	320	57	ug/kg
4801672651A	4801672651A	PHENANTHRENE	2/25/2014		Yes	N	U		U	170	3.5	ug/kg
4801672651A	4801672651A	PHENOL	2/25/2014		Yes	N	U		U	170	17	ug/kg
4801672651A	4801672651A	PYRENE	2/25/2014		Yes	N	U		U	170	1.1	ug/kg
4801672651A	4801672651A	FLUORENE	2/25/2014		Yes	N	U		U	170	3.8	ug/kg
4801672651A	4801672651A	ACENAPHTHENE	2/25/2014		Yes	N	U		U	170	1.9	ug/kg
4801672651A	4801672651A	2-METHYLPHENOL (O-CRESOL)	2/25/2014		Yes	N	U		U	170	5.1	ug/kg
4801672651A	4801672651A	2-NITROANILINE	2/25/2014		Yes	N	U		U	320	53	ug/kg
4801672651A	4801672651A	2-NITROPHENOL	2/25/2014		Yes	N	U		U	170	7.6	ug/kg
4801672651A	4801672651A	3,3'-DICHLOROBENZIDINE	2/25/2014		Yes	N	U		U	170	150	ug/kg
4801672651A	4801672651A	3-NITROANILINE	2/25/2014		Yes	N	U		U	320	38	ug/kg
4801672651A	4801672651A	4,6-DINITRO-2-METHYLPHENOL	2/25/2014		Yes	N	U		U	320	57	ug/kg
4801672651A	4801672651A	4-BROMOPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	170	53	ug/kg
4801672651A	4801672651A	4-CHLORO-3-METHYLPHENOL	2/25/2014		Yes	N	U		U	170	6.8	ug/kg
4801672651A	4801672651A	4-CHLOROANILINE	2/25/2014		Yes	N	U		U	170	49	ug/kg
4801672651A	4801672651A	4-CHLOROPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	170	3.5	ug/kg
4801672651A	4801672651A	4-METHYLPHENOL (P-CRESOL)	2/25/2014		Yes	N	U		U	320	9.2	ug/kg
4801672651A	4801672651A	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/25/2014		Yes	N	U		U	170	14	ug/kg
4801672651A	4801672651A	4-NITROPHENOL	2/25/2014		Yes	N	U		U	320	40	ug/kg
4801672651A	4801672651A	2-METHYLNAPHTHALENE	2/25/2014		Yes	N	U		U	170	2.0	ug/kg
4801672651A	4801672651A	ACENAPHTHYLENE	2/25/2014		Yes	N	U		U	170	1.4	ug/kg
4801672651A	4801672651A	ACETOPHENONE	2/25/2014		Yes	N	U		U	170	8.5	ug/kg
4801672651A	4801672651A	ANTHRACENE	2/25/2014		Yes	N	U		U	170	4.2	ug/kg
4801672651A	4801672651A	ATRAZINE	2/25/2014		Yes	N	U		U	170	7.4	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672651A	4801672651A	BENZALDEHYDE	2/25/2014		Yes	N	U		U	170	18	ug/kg
4801672651A	4801672651A	BENZO(A)ANTHRACENE	2/25/2014		Yes	N	U		U	170	2.9	ug/kg
4801672651A	4801672651A	BENZO(A)PYRENE	2/25/2014		Yes	N	U		U	170	4.0	ug/kg
4801672651A	4801672651A	BENZO(B)FLUORANTHENE	2/25/2014		Yes	N	U		U	170	3.2	ug/kg
4801672651A	4801672651A	BENZO(G,H,I)PERYLENE	2/25/2014		Yes	N	U		U	170	2.0	ug/kg
4801672651A	4801672651A	BENZO(K)FLUORANTHENE	2/25/2014		Yes	N	U		U	170	1.8	ug/kg
4801672651A	4801672651A	BENZYL BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	170	45	ug/kg
4801672651A	4801672651A	4-NITROANILINE	2/25/2014		Yes	N	U		U	320	19	ug/kg
4801672841A	4801672841A	2,6-DINITROTOLUENE	2/25/2014		Yes	N	U		U	170	41	ug/kg
4801672841A	4801672841A	BENZO(G,H,I)PERYLENE	2/25/2014		Yes	N	U		U	170	2.0	ug/kg
4801672841A	4801672841A	ACENAPHTHENE	2/25/2014		Yes	N	U		U	170	2.0	ug/kg
4801672841A	4801672841A	DIBENZ(A,H)ANTHRACENE	2/25/2014		Yes	N	U		U	170	2.0	ug/kg
4801672841A	4801672841A	CHRYSENE	2/25/2014		Yes	N	U		U	170	1.7	ug/kg
4801672841A	4801672841A	CARBAZOLE	2/25/2014		Yes	N	U		U	170	1.9	ug/kg
4801672841A	4801672841A	CAPROLACTAM	2/25/2014		Yes	N	U		U	170	72	ug/kg
4801672841A	4801672841A	BIS(2-ETHYLHEXYL) PHTHALATE	2/25/2014		Yes	N	U		U	170	54	ug/kg
4801672841A	4801672841A	BIS(2-CHLOROISOPROPYL) ETHER	2/25/2014		Yes	N	U		U	170	18	ug/kg
4801672841A	4801672841A	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/25/2014		Yes	N	U		U	170	14	ug/kg
4801672841A	4801672841A	DIETHYL PHTHALATE	2/25/2014		Yes	N	U		U	170	5.1	ug/kg
4801672841A	4801672841A	BENZYL BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	170	45	ug/kg
4801672841A	4801672841A	DIMETHYL PHTHALATE	2/25/2014		Yes	N	U		U	170	4.4	ug/kg
4801672841A	4801672841A	BENZO(B)FLUORANTHENE	2/25/2014		Yes	N	U		U	170	3.3	ug/kg
4801672841A	4801672841A	BENZO(A)PYRENE	2/25/2014		Yes	N	U		U	170	4.0	ug/kg
4801672841A	4801672841A	BENZO(A)ANTHRACENE	2/25/2014		Yes	N	U		U	170	2.9	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672841A	4801672841A	BENZALDEHYDE	2/25/2014		Yes	N	U		U	170	18	ug/kg
4801672841A	4801672841A	ATRAZINE	2/25/2014		Yes	N	U		U	170	7.5	ug/kg
4801672841A	4801672841A	ANTHRACENE	2/25/2014		Yes	N	U		U	170	4.3	ug/kg
4801672841A	4801672841A	ACETOPHENONE	2/25/2014		Yes	N	U		U	170	8.6	ug/kg
4801672841A	4801672841A	ACENAPHTHYLENE	2/25/2014		Yes	N	U		U	170	1.4	ug/kg
4801672841A	4801672841A	BIS(2-CHLOROETHOXY) METHANE	2/25/2014		Yes	N	U		U	170	9.1	ug/kg
4801672841A	4801672841A	INDENO(1,2,3-C,D)PYRENE	2/25/2014		Yes	N	U		U	170	4.6	ug/kg
4801672841A	4801672841A	2,4-DINITROPHENOL	2/25/2014		Yes	N	U		U	330	59	ug/kg
4801672841A	4801672841A	PYRENE	2/25/2014		Yes	N	U		U	170	1.1	ug/kg
4801672841A	4801672841A	PHENOL	2/25/2014		Yes	N	U		U	170	18	ug/kg
4801672841A	4801672841A	PHENANTHRENE	2/25/2014		Yes	N	U		U	170	3.5	ug/kg
4801672841A	4801672841A	PENTACHLOROPHENOL	2/25/2014		Yes	N	U		U	330	57	ug/kg
4801672841A	4801672841A	N-NITROSODIPHENYLAMINE	2/25/2014		Yes	N	U		U	170	9.2	ug/kg
4801672841A	4801672841A	N-NITROSODI-N-PROPYLAMINE	2/25/2014		Yes	N	U		U	170	13	ug/kg
4801672841A	4801672841A	NITROBENZENE	2/25/2014		Yes	N	U		U	170	7.4	ug/kg
4801672841A	4801672841A	DIBENZOFURAN	2/25/2014		Yes	N	U		U	170	1.7	ug/kg
4801672841A	4801672841A	ISOPHORONE	2/25/2014		Yes	N	U		U	170	8.4	ug/kg
4801672841A	4801672841A	BENZO(K)FLUORANTHENE	2/25/2014		Yes	N	U		U	170	1.8	ug/kg
4801672841A	4801672841A	HEXACHLOROETHANE	2/25/2014		Yes	N	U		U	170	13	ug/kg
4801672841A	4801672841A	HEXACHLOROCYCLOPENTADIENE	2/25/2014		Yes	N	U		U	170	51	ug/kg
4801672841A	4801672841A	HEXACHLOROBUTADIENE	2/25/2014		Yes	N	U		U	170	8.6	ug/kg
4801672841A	4801672841A	HEXACHLOROBENZENE	2/25/2014		Yes	N	U		U	170	8.3	ug/kg
4801672841A	4801672841A	FLUORENE	2/25/2014		Yes	N	U		U	170	3.9	ug/kg
4801672841A	4801672841A	FLUORANTHENE	2/25/2014		Yes	N	U		U	170	2.4	ug/kg
4801672841A	4801672841A	DI-N-OCTYLPHTHALATE	2/25/2014		Yes	N	U		U	170	3.9	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672841A	4801672841A	DI-N-BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	170	58	ug/kg
4801672841A	4801672841A	NAPHTHALENE	2/25/2014		Yes	N	U		U	170	2.8	ug/kg
4801672841A	4801672841A	2,4-DINITROTOLUENE	2/25/2014		Yes	N	U		U	170	26	ug/kg
4801672841A	4801672841A	BIPHENYL (DIPHENYL)	2/25/2014		Yes	N	U		U	170	10	ug/kg
4801672841A	4801672841A	4-NITROPHENOL	2/25/2014		Yes	N	U		U	330	41	ug/kg
4801672841A	4801672841A	2,4,5-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	170	37	ug/kg
4801672841A	4801672841A	2,4,6-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	170	11	ug/kg
4801672841A	4801672841A	2,4-DICHLOROPHENOL	2/25/2014		Yes	N	U		U	170	8.8	ug/kg
4801672841A	4801672841A	2,4-DIMETHYLPHENOL	2/25/2014		Yes	N	U		U	170	45	ug/kg
4801672841A	4801672841A	2-CHLORONAPHTHALENE	2/25/2014		Yes	N	U		U	170	11	ug/kg
4801672841A	4801672841A	2-CHLOROPHENOL	2/25/2014		Yes	N	U		U	170	8.5	ug/kg
4801672841A	4801672841A	2-METHYLNAPHTHALENE	2/25/2014		Yes	N	U		U	170	2.0	ug/kg
4801672841A	4801672841A	2-METHYLPHENOL (O-CRESOL)	2/25/2014		Yes	N	U		U	170	5.2	ug/kg
4801672841A	4801672841A	2-NITROANILINE	2/25/2014		Yes	N	U		U	330	54	ug/kg
4801672841A	4801672841A	2-NITROPHENOL	2/25/2014		Yes	N	U		U	170	7.7	ug/kg
4801672841A	4801672841A	3-NITROANILINE	2/25/2014		Yes	N	U		U	330	39	ug/kg
4801672841A	4801672841A	4-NITROANILINE	2/25/2014		Yes	N	U		U	330	19	ug/kg
4801672841A	4801672841A	4,6-DINITRO-2-METHYLPHENOL	2/25/2014		Yes	N	U		U	330	58	ug/kg
4801672841A	4801672841A	4-BROMOPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	170	53	ug/kg
4801672841A	4801672841A	4-CHLORO-3-METHYLPHENOL	2/25/2014		Yes	N	U		U	170	6.9	ug/kg
4801672841A	4801672841A	3,3'-DICHLOROBENZIDINE	2/25/2014		Yes	N	U		U	170	150	ug/kg
4801672841A	4801672841A	4-METHYLPHENOL (P-CRESOL)	2/25/2014		Yes	N	U		U	330	9.3	ug/kg
4801672841A	4801672841A	4-CHLOROANILINE	2/25/2014		Yes	N	U		U	170	49	ug/kg
4801672841A	4801672841A	4-CHLOROPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	170	3.6	ug/kg
4801673471A	4801673471A	BIS(2-ETHYLHEXYL) PHTHALATE	2/25/2014		Yes	N	U		U	5.0	1.8	ug/l

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801673471A	4801673471A	BENZO(K)FLUORANTHENE	2/25/2014		Yes	N	U		U	5.0	0.73	ug/l
4801673471A	4801673471A	BIPHENYL (DIPHENYL)	2/25/2014		Yes	N	U		U	5.0	0.65	ug/l
4801673471A	4801673471A	PYRENE	2/25/2014		Yes	N	U		U	5.0	0.34	ug/l
4801673471A	4801673471A	BIS(2-CHLOROISOPROPYL) ETHER	2/25/2014		Yes	N	U		U	5.0	0.52	ug/l
4801673471A	4801673471A	BENZO(A)ANTHRACENE	2/25/2014		Yes	N	U		U	5.0	0.36	ug/l
4801673471A	4801673471A	CAPROLACTAM	2/25/2014		Yes	N	U		U	5.0	2.2	ug/l
4801673471A	4801673471A	CARBAZOLE	2/25/2014		Yes	N	U		U	5.0	0.30	ug/l
4801673471A	4801673471A	CHRYSENE	2/25/2014		Yes	N	U		U	5.0	0.33	ug/l
4801673471A	4801673471A	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
4801673471A	4801673471A	BENZO(G,H,I)PERYLENE	2/25/2014		Yes	N	U		U	5.0	0.35	ug/l
4801673471A	4801673471A	ATRAZINE	2/25/2014		Yes	N	U		U	5.0	0.46	ug/l
4801673471A	4801673471A	BENZO(A)PYRENE	2/25/2014		Yes	N	U		U	5.0	0.47	ug/l
4801673471A	4801673471A	BENZALDEHYDE	2/25/2014		Yes	N	U		U	5.0	0.27	ug/l
4801673471A	4801673471A	ACENAPHTHENE	2/25/2014		Yes	N	U		U	5.0	0.41	ug/l
4801673471A	4801673471A	DIBENZ(A,H)ANTHRACENE	2/25/2014		Yes	N	U		U	5.0	0.42	ug/l
4801673471A	4801673471A	ACENAPHTHYLENE	2/25/2014		Yes	N	U		U	5.0	0.38	ug/l
4801673471A	4801673471A	HEXACHLOROCYCLOPENTADIENE	2/25/2014		Yes	N	U		U	5.0	0.59	ug/l
4801673471A	4801673471A	ACETOPHENONE	2/25/2014		Yes	N	U		U	5.0	0.54	ug/l
4801673471A	4801673471A	ANTHRACENE	2/25/2014		Yes	N	U		U	5.0	0.28	ug/l
4801673471A	4801673471A	BENZO(B)FLUORANTHENE	2/25/2014		Yes	N	U		U	5.0	0.34	ug/l
4801673471A	4801673471A	HEXACHLOROETHANE	2/25/2014		Yes	N	U		U	5.0	0.59	ug/l
4801673471A	4801673471A	DIETHYL PHTHALATE	2/25/2014		Yes	N	U		U	5.0	0.22	ug/l
4801673471A	4801673471A	DIMETHYL PHTHALATE	2/25/2014		Yes	N	U		U	5.0	0.36	ug/l
4801673471A	4801673471A	BENZYL BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	5.0	0.42	ug/l

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801673471A	4801673471A	4-NITROPHENOL	2/25/2014		Yes	N	U		U	10	1.5	ug/l
4801673471A	4801673471A	DI-N-BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	5.0	0.31	ug/l
4801673471A	4801673471A	DI-N-OCTYLPHTHALATE	2/25/2014		Yes	N	U		U	5.0	0.47	ug/l
4801673471A	4801673471A	FLUORANTHENE	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
4801673471A	4801673471A	FLUORENE	2/25/2014		Yes	N	U		U	5.0	0.36	ug/l
4801673471A	4801673471A	INDENO(1,2,3-C,D)PYRENE	2/25/2014		Yes	N	U		U	5.0	0.47	ug/l
4801673471A	4801673471A	HEXACHLOROBUTADIENE	2/25/2014		Yes	N	U		U	5.0	0.68	ug/l
4801673471A	4801673471A	DIBENZOFURAN	2/25/2014		Yes	N	U		U	10	0.51	ug/l
4801673471A	4801673471A	ISOPHORONE	2/25/2014		Yes	N	U		U	5.0	0.43	ug/l
4801673471A	4801673471A	NAPHTHALENE	2/25/2014		Yes	N	U		U	5.0	0.76	ug/l
4801673471A	4801673471A	NITROBENZENE	2/25/2014		Yes	N	U		U	5.0	0.29	ug/l
4801673471A	4801673471A	N-NITROSODI-N-PROPYLAMINE	2/25/2014		Yes	N	U		U	5.0	0.54	ug/l
4801673471A	4801673471A	N-NITROSODIPHENYLAMINE	2/25/2014		Yes	N	U		U	5.0	0.51	ug/l
4801673471A	4801673471A	PENTACHLOROPHENOL	2/25/2014		Yes	N	U		U	10	2.2	ug/l
4801673471A	4801673471A	PHENANTHRENE	2/25/2014		Yes	N	U		U	5.0	0.44	ug/l
4801673471A	4801673471A	PHENOL	2/25/2014		Yes	N	U		U	5.0	0.39	ug/l
4801673471A	4801673471A	HEXACHLOROBENZENE	2/25/2014		Yes	N	U		U	5.0	0.51	ug/l
4801673471A	4801673471A	2,4-DINITROTOLUENE	2/25/2014		Yes	N	U		U	5.0	0.45	ug/l
4801673471A	4801673471A	4-NITROANILINE	2/25/2014		Yes	N	U		U	10	0.25	ug/l
4801673471A	4801673471A	BIS(2-CHLOROETHOXY) METHANE	2/25/2014		Yes	N	U		U	5.0	0.35	ug/l
4801673471A	4801673471A	2,4,5-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.48	ug/l
4801673471A	4801673471A	2,4,6-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.61	ug/l
4801673471A	4801673471A	2,4-DICHLOROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.51	ug/l
4801673471A	4801673471A	2,4-DINITROPHENOL	2/25/2014		Yes	N	U		U	10	2.2	ug/l
4801673471A	4801673471A	2,6-DINITROTOLUENE	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801673471A	4801673471A	2-CHLORONAPHTHALENE	2/25/2014		Yes	N	U		U	5.0	0.46	ug/l
4801673471A	4801673471A	2-CHLOROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.53	ug/l
4801673471A	4801673471A	2-METHYLNAPHTHALENE	2/25/2014		Yes	N	U		U	5.0	0.60	ug/l
4801673471A	4801673471A	4,6-DINITRO-2-METHYLPHENOL	2/25/2014		Yes	N	U		U	10	2.2	ug/l
4801673471A	4801673471A	4-CHLOROPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	5.0	0.35	ug/l
4801673471A	4801673471A	2,4-DIMETHYLPHENOL	2/25/2014		Yes	N	U		U	5.0	0.50	ug/l
4801673471A	4801673471A	4-METHYLPHENOL (P-CRESOL)	2/25/2014		Yes	N	U		U	10	0.36	ug/l
4801673471A	4801673471A	2-METHYLPHENOL (O-CRESOL)	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
4801673471A	4801673471A	4-CHLORO-3-METHYLPHENOL	2/25/2014		Yes	N	U		U	5.0	0.45	ug/l
4801673471A	4801673471A	4-BROMOPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	5.0	0.45	ug/l
4801673471A	4801673471A	4-CHLOROANILINE	2/25/2014		Yes	N	U		U	5.0	0.59	ug/l
4801673471A	4801673471A	3-NITROANILINE	2/25/2014		Yes	N	U		U	10	0.48	ug/l
4801673471A	4801673471A	3,3'-DICHLOROBENZIDINE	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
4801673471A	4801673471A	2-NITROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.48	ug/l
4801673471A	4801673471A	2-NITROANILINE	2/25/2014		Yes	N	U		U	10	0.42	ug/l
4801674241A	4801674241A	ATRAZINE	2/27/2014		Yes	N	U		U	170	7.4	ug/kg
4801674241A	4801674241A	BENZO(A)PYRENE	2/27/2014		Yes	N	U		U	170	4.0	ug/kg
4801674241A	4801674241A	ANTHRACENE	2/27/2014		Yes	N	U		U	170	4.3	ug/kg
4801674241A	4801674241A	BENZO(A)ANTHRACENE	2/27/2014		Yes	N	U		U	170	2.9	ug/kg
4801674241A	4801674241A	BENZALDEHYDE	2/27/2014		Yes	N	U		U	170	18	ug/kg
4801674241A	4801674241A	BENZO(B)FLUORANTHENE	2/27/2014		Yes	N	U		U	170	3.2	ug/kg
4801674241A	4801674241A	BENZO(G,H,I)PERYLENE	2/27/2014		Yes	N	U		U	170	2.0	ug/kg
4801674241A	4801674241A	BENZO(K)FLUORANTHENE	2/27/2014		Yes	N	U		U	170	1.8	ug/kg
4801674241A	4801674241A	BIPHENYL (DIPHENYL)	2/27/2014		Yes	N	U		U	170	10	ug/kg
4801674241A	4801674241A	ACETOPHENONE	2/27/2014		Yes	N	U		U	170	8.5	ug/kg

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801674241A	4801674241A	3-NITROANILINE	2/27/2014		Yes	N	U		U	330	38	ug/kg
4801674241A	4801674241A	BIS(2-CHLOROETHOXY) METHANE	2/27/2014		Yes	N	U		U	170	9.0	ug/kg
4801674241A	4801674241A	BENZYL BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	170	45	ug/kg
4801674241A	4801674241A	ACENAPHTHYLENE	2/27/2014		Yes	N	U		U	170	1.4	ug/kg
4801674241A	4801674241A	ACENAPHTHENE	2/27/2014		Yes	N	U		U	170	2.0	ug/kg
4801674241A	4801674241A	4-NITROPHENOL	2/27/2014		Yes	N	U		U	330	40	ug/kg
4801674241A	4801674241A	4-NITROANILINE	2/27/2014		Yes	N	U		U	330	19	ug/kg
4801674241A	4801674241A	4-METHYLPHENOL (P-CRESOL)	2/27/2014		Yes	N	U		U	330	9.3	ug/kg
4801674241A	4801674241A	4-CHLOROPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		U	170	3.5	ug/kg
4801674241A	4801674241A	4-CHLOROANILINE	2/27/2014		Yes	N	U		U	170	49	ug/kg
4801674241A	4801674241A	4-CHLORO-3-METHYLPHENOL	2/27/2014		Yes	N	U		U	170	6.8	ug/kg
4801674241A	4801674241A	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/27/2014		Yes	N	U		U	170	14	ug/kg
4801674241A	4801674241A	4,6-DINITRO-2-METHYLPHENOL	2/27/2014		Yes	N	U		U	330	57	ug/kg
4801674241A	4801674241A	FLUORANTHENE	2/27/2014		Yes	N	U		U	170	2.4	ug/kg
4801674241A	4801674241A	3,3'-DICHLOROBENZIDINE	2/27/2014		Yes	N	U		U	170	150	ug/kg
4801674241A	4801674241A	4-BROMOPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		U	170	53	ug/kg
4801674241A	4801674241A	HEXACHLOROBENZENE	2/27/2014		Yes	N	U		U	170	8.3	ug/kg
4801674241A	4801674241A	PYRENE	2/27/2014		Yes	N	U		U	170	1.1	ug/kg
4801674241A	4801674241A	PHENOL	2/27/2014		Yes	N	U		U	170	18	ug/kg
4801674241A	4801674241A	PHENANTHRENE	2/27/2014		Yes	N	U		U	170	3.5	ug/kg
4801674241A	4801674241A	PENTACHLOROPHENOL	2/27/2014		Yes	N	U		U	330	57	ug/kg
4801674241A	4801674241A	N-NITROSODIPHENYLAMINE	2/27/2014		Yes	N	U		U	170	9.1	ug/kg
4801674241A	4801674241A	N-NITROSODI-N-PROPYLAMINE	2/27/2014		Yes	N	U		U	170	13	ug/kg
4801674241A	4801674241A	NITROBENZENE	2/27/2014		Yes	N	U		U	170	7.4	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801674241A	4801674241A	NAPHTHALENE	2/27/2014		Yes	N	U		U	170	2.8	ug/kg
4801674241A	4801674241A	ISOPHORONE	2/27/2014		Yes	N	U		U	170	8.3	ug/kg
4801674241A	4801674241A	INDENO(1,2,3-C,D)PYRENE	2/27/2014		Yes	N	U		U	170	4.6	ug/kg
4801674241A	4801674241A	HEXACHLOROETHANE	2/27/2014		Yes	N	U		U	170	13	ug/kg
4801674241A	4801674241A	DI-N-BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	170	58	ug/kg
4801674241A	4801674241A	HEXACHLOROBUTADIENE	2/27/2014		Yes	N	U		U	170	8.5	ug/kg
4801674241A	4801674241A	BIS(2-CHLOROISOPROPYL) ETHER	2/27/2014		Yes	N	U		U	170	17	ug/kg
4801674241A	4801674241A	FLUORENE	2/27/2014		Yes	N	U		U	170	3.8	ug/kg
4801674241A	4801674241A	2,4,6-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	170	11	ug/kg
4801674241A	4801674241A	DI-N-OCTYLPHthalate	2/27/2014		Yes	N	U		U	170	3.9	ug/kg
4801674241A	4801674241A	2-NITROPHENOL	2/27/2014		Yes	N	U		U	170	7.6	ug/kg
4801674241A	4801674241A	DIMETHYL PHTHALATE	2/27/2014		Yes	N	U		U	170	4.3	ug/kg
4801674241A	4801674241A	DIETHYL PHTHALATE	2/27/2014		Yes	N	U		U	170	5.0	ug/kg
4801674241A	4801674241A	DIBENZOFURAN	2/27/2014		Yes	N	U		U	170	1.7	ug/kg
4801674241A	4801674241A	DIBENZ(A,H)ANTHRACENE	2/27/2014		Yes	N	U		U	170	2.0	ug/kg
4801674241A	4801674241A	CHRYSENE	2/27/2014		Yes	N	U		U	170	1.7	ug/kg
4801674241A	4801674241A	CARBAZOLE	2/27/2014		Yes	N	U		U	170	1.9	ug/kg
4801674241A	4801674241A	CAPROLACTAM	2/27/2014		Yes	N	U		U	170	72	ug/kg
4801674241A	4801674241A	BIS(2-ETHYLHEXYL) PHTHALATE	2/27/2014		Yes	N	U		U	170	54	ug/kg
4801674241A	4801674241A	HEXACHLOROCYCLOPENTADIENE	2/27/2014		Yes	N	U		U	170	50	ug/kg
4801674241A	4801674241A	2,4,5-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	170	36	ug/kg
4801674241A	4801674241A	2-METHYLPHENOL (O-CRESOL)	2/27/2014		Yes	N	U		U	170	5.1	ug/kg
4801674241A	4801674241A	2-METHYLNAPHTHALENE	2/27/2014		Yes	N	U		U	170	2.0	ug/kg
4801674241A	4801674241A	2-CHLOROPHENOL	2/27/2014		Yes	N	U		U	170	8.5	ug/kg
4801674241A	4801674241A	2-CHLORONAPHTHALENE	2/27/2014		Yes	N	U		U	170	11	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801674241A	4801674241A	2,6-DINITROTOLUENE	2/27/2014		Yes	N	U		U	170	41	ug/kg
4801674241A	4801674241A	2,4-DINITROTOLUENE	2/27/2014		Yes	N	U		U	170	26	ug/kg
4801674241A	4801674241A	2,4-DINITROPHENOL	2/27/2014		Yes	N	U		U	330	58	ug/kg
4801674241A	4801674241A	2,4-DICHLOROPHENOL	2/27/2014		Yes	N	U		U	170	8.7	ug/kg
4801674241A	4801674241A	2,4-DIMETHYLPHENOL	2/27/2014		Yes	N	U		U	170	45	ug/kg
4801674241A	4801674241A	2-NITROANILINE	2/27/2014		Yes	N	U		U	330	53	ug/kg
CC-C-042-0-2-20140220	480-55087-4	BENZALDEHYDE	2/25/2014		Yes	N	U	R	R	190	21	ug/kg
CC-C-042-0-2-20140220	480-55087-4	CAPROLACTAM	2/25/2014		Yes	N	U		U	190	83	ug/kg
CC-C-042-0-2-20140220	480-55087-4	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/25/2014		Yes	N	U		U	190	17	ug/kg
CC-C-042-0-2-20140220	480-55087-4	DIMETHYL PHTHALATE	2/25/2014		Yes	N	U		U	190	5.0	ug/kg
CC-C-042-0-2-20140220	480-55087-4	DIETHYL PHTHALATE	2/25/2014		Yes	N	U		U	190	5.8	ug/kg
CC-C-042-0-2-20140220	480-55087-4	DIBENZOFURAN	2/25/2014	17	Yes	Y	J		J	190	2.0	ug/kg
CC-C-042-0-2-20140220	480-55087-4	DI-N-BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	190	66	ug/kg
CC-C-042-0-2-20140220	480-55087-4	2-METHYLPHENOL (O-CRESOL)	2/25/2014		Yes	N	U		U	190	5.9	ug/kg
CC-C-042-0-2-20140220	480-55087-4	DIBENZ(A,H)ANTHRACENE	2/25/2014	54	Yes	Y	J		J	190	2.3	ug/kg
CC-C-042-0-2-20140220	480-55087-4	CHRYSENE	2/25/2014	440	Yes	Y				190	1.9	ug/kg
CC-C-042-0-2-20140220	480-55087-4	BIS(2-CHLOROISOPROPYL) ETHER	2/25/2014		Yes	N	U		U	190	20	ug/kg
CC-C-042-0-2-20140220	480-55087-4	BIS(2-ETHYLHEXYL) PHTHALATE	2/25/2014	87	Yes	Y	J		J	190	62	ug/kg
CC-C-042-0-2-20140220	480-55087-4	ATRAZINE	2/25/2014		Yes	N	U		U	190	8.5	ug/kg
CC-C-042-0-2-20140220	480-55087-4	BIS(2-CHLOROETHOXY) METHANE	2/25/2014		Yes	N	U		U	190	10	ug/kg
CC-C-042-0-2-20140220	480-55087-4	BIPHENYL (DIPHENYL)	2/25/2014		Yes	N	U		U	190	12	ug/kg
CC-C-042-0-2-20140220	480-55087-4	BENZO(K)FLUORANTHENE	2/25/2014	400	Yes	Y				190	2.1	ug/kg
CC-C-042-0-2-20140220	480-55087-4	BENZO(G,H,I)PERYLENE	2/25/2014	300	Yes	Y				190	2.3	ug/kg
CC-C-042-0-2-20140220	480-55087-4	BENZO(B)FLUORANTHENE	2/25/2014	420	Yes	Y				190	3.7	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-042-0-2-20140220	480-55087-4	BENZO(A)PYRENE	2/25/2014	360	Yes	Y				190	4.6	ug/kg
CC-C-042-0-2-20140220	480-55087-4	BENZO(A)ANTHRACENE	2/25/2014	410	Yes	Y				190	3.3	ug/kg
CC-C-042-0-2-20140220	480-55087-4	CARBAZOLE	2/25/2014	23	Yes	Y	J		J	190	2.2	ug/kg
CC-C-042-0-2-20140220	480-55087-4	2-METHYLNAPHTHALENE	2/25/2014	16	Yes	Y	J		J	190	2.3	ug/kg
CC-C-042-0-2-20140220	480-55087-4	2,4,5-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	190	42	ug/kg
CC-C-042-0-2-20140220	480-55087-4	2,4,6-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	190	13	ug/kg
CC-C-042-0-2-20140220	480-55087-4	2,4-DICHLOROPHENOL	2/25/2014		Yes	N	U		U	190	10	ug/kg
CC-C-042-0-2-20140220	480-55087-4	2,4-DIMETHYLPHENOL	2/25/2014		Yes	N	U		U	190	52	ug/kg
CC-C-042-0-2-20140220	480-55087-4	4-NITROPHENOL	2/25/2014		Yes	N	U	UJ	UJ	370	46	ug/kg
CC-C-042-0-2-20140220	480-55087-4	4-NITROANILINE	2/25/2014		Yes	N	U		U	370	21	ug/kg
CC-C-042-0-2-20140220	480-55087-4	HEXACHLOROCYCLOPENTADIENE	2/25/2014		Yes	N	U	UJ	UJ	190	58	ug/kg
CC-C-042-0-2-20140220	480-55087-4	2,4-DINITROPHENOL	2/25/2014		Yes	N	U		U	370	67	ug/kg
CC-C-042-0-2-20140220	480-55087-4	2,4-DINITROTOLUENE	2/25/2014		Yes	N	U		U	190	30	ug/kg
CC-C-042-0-2-20140220	480-55087-4	2,6-DINITROTOLUENE	2/25/2014		Yes	N	U		U	190	47	ug/kg
CC-C-042-0-2-20140220	480-55087-4	2-NITROPHENOL	2/25/2014		Yes	N	U		U	190	8.7	ug/kg
CC-C-042-0-2-20140220	480-55087-4	2-CHLOROPHENOL	2/25/2014		Yes	N	U		U	190	9.7	ug/kg
CC-C-042-0-2-20140220	480-55087-4	ANTHRACENE	2/25/2014	93	Yes	Y	J		J	190	4.9	ug/kg
CC-C-042-0-2-20140220	480-55087-4	2-NITROANILINE	2/25/2014		Yes	N	U		U	370	61	ug/kg
CC-C-042-0-2-20140220	480-55087-4	3,3'-DICHLOROBENZIDINE	2/25/2014		Yes	N	U		U	190	170	ug/kg
CC-C-042-0-2-20140220	480-55087-4	3-NITROANILINE	2/25/2014		Yes	N	U		U	370	44	ug/kg
CC-C-042-0-2-20140220	480-55087-4	4,6-DINITRO-2-METHYLPHENOL	2/25/2014		Yes	N	U		U	370	66	ug/kg
CC-C-042-0-2-20140220	480-55087-4	4-BROMOPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	190	61	ug/kg
CC-C-042-0-2-20140220	480-55087-4	4-CHLORO-3-METHYLPHENOL	2/25/2014		Yes	N	U		U	190	7.9	ug/kg
CC-C-042-0-2-20140220	480-55087-4	4-CHLOROANILINE	2/25/2014		Yes	N	U		U	190	56	ug/kg
CC-C-042-0-2-20140220	480-55087-4	4-METHYLPHENOL (P-CRESOL)	2/25/2014		Yes	N	U		U	370	11	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-042-0-2-20140220	480-55087-4	ACENAPHTHENE	2/25/2014	23	Yes	Y	J		J	190	2.2	ug/kg
CC-C-042-0-2-20140220	480-55087-4	ACENAPHTHYLENE	2/25/2014	42	Yes	Y	J		J	190	1.6	ug/kg
CC-C-042-0-2-20140220	480-55087-4	ACETOPHENONE	2/25/2014		Yes	N	U		U	190	9.8	ug/kg
CC-C-042-0-2-20140220	480-55087-4	2-CHLORONAPHTHALENE	2/25/2014		Yes	N	U		U	190	13	ug/kg
CC-C-042-0-2-20140220	480-55087-4	NITROBENZENE	2/25/2014		Yes	N	U		U	190	8.5	ug/kg
CC-C-042-0-2-20140220	480-55087-4	HEXACHLOROBUTADIENE	2/25/2014		Yes	N	U		U	190	9.8	ug/kg
CC-C-042-0-2-20140220	480-55087-4	HEXACHLOROETHANE	2/25/2014		Yes	N	U		U	190	15	ug/kg
CC-C-042-0-2-20140220	480-55087-4	4-CHLOROPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	190	4.1	ug/kg
CC-C-042-0-2-20140220	480-55087-4	INDENO(1,2,3-C,D)PYRENE	2/25/2014	350	Yes	Y				190	5.3	ug/kg
CC-C-042-0-2-20140220	480-55087-4	ISOPHORONE	2/25/2014		Yes	N	U		U	190	9.6	ug/kg
CC-C-042-0-2-20140220	480-55087-4	NAPHTHALENE	2/25/2014		Yes	N	U		U	190	3.2	ug/kg
CC-C-042-0-2-20140220	480-55087-4	HEXACHLOROBENZENE	2/25/2014		Yes	N	U		U	190	9.5	ug/kg
CC-C-042-0-2-20140220	480-55087-4	FLUORENE	2/25/2014	28	Yes	Y	J		J	190	4.4	ug/kg
CC-C-042-0-2-20140220	480-55087-4	DI-N-OCTYLPHTHALATE	2/25/2014		Yes	N	U		U	190	4.5	ug/kg
CC-C-042-0-2-20140220	480-55087-4	BENZYL BUTYL PHTHALATE	2/25/2014		Yes	N	U	UJ	UJ	190	51	ug/kg
CC-C-042-0-2-20140220	480-55087-4	N-NITROSODI-N-PROPYLAMINE	2/25/2014		Yes	N	U		U	190	15	ug/kg
CC-C-042-0-2-20140220	480-55087-4	N-NITROSODIPHENYLAMINE	2/25/2014		Yes	N	U		U	190	10	ug/kg
CC-C-042-0-2-20140220	480-55087-4	PENTACHLOROPHENOL	2/25/2014		Yes	N	U		U	370	66	ug/kg
CC-C-042-0-2-20140220	480-55087-4	PHENANTHRENE	2/25/2014	360	Yes	Y				190	4.0	ug/kg
CC-C-042-0-2-20140220	480-55087-4	PHENOL	2/25/2014		Yes	N	U		U	190	20	ug/kg
CC-C-042-0-2-20140220	480-55087-4	PYRENE	2/25/2014	840	Yes	Y				190	1.2	ug/kg
CC-C-042-0-2-20140220	480-55087-4	FLUORANTHENE	2/25/2014	540	Yes	Y				190	2.8	ug/kg
CC-C-042-2-4-20140220	480-55087-5	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U		U	180	160	ug/kg
CC-C-042-2-4-20140220	480-55087-5	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	180	9.2	ug/kg
CC-C-042-2-4-20140220	480-55087-5	2,4-DINITROPHENOL	2/26/2014		Yes	N	U	UJ	UJ	350	63	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-042-2-4-20140220	480-55087-5	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	180	19	ug/kg
CC-C-042-2-4-20140220	480-55087-5	BENZO(A)PYRENE	2/26/2014	270	Yes	Y				180	4.4	ug/kg
CC-C-042-2-4-20140220	480-55087-5	BENZO(B)FLUORANTHENE	2/26/2014	340	Yes	Y				180	3.5	ug/kg
CC-C-042-2-4-20140220	480-55087-5	BENZO(G,H,I)PERYLENE	2/26/2014	220	Yes	Y				180	2.2	ug/kg
CC-C-042-2-4-20140220	480-55087-5	BENZO(K)FLUORANTHENE	2/26/2014	140	Yes	Y	J		J	180	2.0	ug/kg
CC-C-042-2-4-20140220	480-55087-5	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	180	11	ug/kg
CC-C-042-2-4-20140220	480-55087-5	2-NITROANILINE	2/26/2014		Yes	N	U		U	350	58	ug/kg
CC-C-042-2-4-20140220	480-55087-5	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	180	16	ug/kg
CC-C-042-2-4-20140220	480-55087-5	2-METHYLNAPHTHALENE	2/26/2014	4.4	Yes	Y	J		J	180	2.2	ug/kg
CC-C-042-2-4-20140220	480-55087-5	PYRENE	2/26/2014	550	Yes	Y		J	J	180	1.2	ug/kg
CC-C-042-2-4-20140220	480-55087-5	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	350	63	ug/kg
CC-C-042-2-4-20140220	480-55087-5	3-NITROANILINE	2/26/2014		Yes	N	U		U	350	42	ug/kg
CC-C-042-2-4-20140220	480-55087-5	2-NITROPHENOL	2/26/2014		Yes	N	U		U	180	8.3	ug/kg
CC-C-042-2-4-20140220	480-55087-5	BENZO(A)ANTHRACENE	2/26/2014	250	Yes	Y				180	3.1	ug/kg
CC-C-042-2-4-20140220	480-55087-5	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U	180	5.6	ug/kg
CC-C-042-2-4-20140220	480-55087-5	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	180	9.9	ug/kg
CC-C-042-2-4-20140220	480-55087-5	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	180	40	ug/kg
CC-C-042-2-4-20140220	480-55087-5	NAPHTHALENE	2/26/2014	9.9	Yes	Y	J		J	180	3.0	ug/kg
CC-C-042-2-4-20140220	480-55087-5	NITROBENZENE	2/26/2014		Yes	N	U		U	180	8.0	ug/kg
CC-C-042-2-4-20140220	480-55087-5	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		U	180	14	ug/kg
CC-C-042-2-4-20140220	480-55087-5	BENZALDEHYDE	2/26/2014		Yes	N	U	R	R	180	20	ug/kg
CC-C-042-2-4-20140220	480-55087-5	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	180	9.9	ug/kg
CC-C-042-2-4-20140220	480-55087-5	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	350	62	ug/kg
CC-C-042-2-4-20140220	480-55087-5	4-NITROPHENOL	2/26/2014		Yes	N	U	UJ	UJ	350	44	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-042-2-4-20140220	480-55087-5	PHENOL	2/26/2014		Yes	N	U		U	180	19	ug/kg
CC-C-042-2-4-20140220	480-55087-5	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	180	14	ug/kg
CC-C-042-2-4-20140220	480-55087-5	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	180	12	ug/kg
CC-C-042-2-4-20140220	480-55087-5	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	180	9.5	ug/kg
CC-C-042-2-4-20140220	480-55087-5	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	180	49	ug/kg
CC-C-042-2-4-20140220	480-55087-5	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	180	28	ug/kg
CC-C-042-2-4-20140220	480-55087-5	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		U	180	44	ug/kg
CC-C-042-2-4-20140220	480-55087-5	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		U	180	12	ug/kg
CC-C-042-2-4-20140220	480-55087-5	PHENANTHRENE	2/26/2014	190	Yes	Y				180	3.8	ug/kg
CC-C-042-2-4-20140220	480-55087-5	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	180	63	ug/kg
CC-C-042-2-4-20140220	480-55087-5	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014	110	Yes	Y	J		J	180	58	ug/kg
CC-C-042-2-4-20140220	480-55087-5	CAPROLACTAM	2/26/2014		Yes	N	U		U	180	78	ug/kg
CC-C-042-2-4-20140220	480-55087-5	CARBAZOLE	2/26/2014	14	Yes	Y	J		J	180	2.1	ug/kg
CC-C-042-2-4-20140220	480-55087-5	CHRYSENE	2/26/2014	250	Yes	Y				180	1.8	ug/kg
CC-C-042-2-4-20140220	480-55087-5	DIBENZ(A,H)ANTHRACENE	2/26/2014	63	Yes	Y	J		J	180	2.1	ug/kg
CC-C-042-2-4-20140220	480-55087-5	DIBENZOFURAN	2/26/2014	8.4	Yes	Y	J		J	180	1.9	ug/kg
CC-C-042-2-4-20140220	480-55087-5	ISOPHORONE	2/26/2014		Yes	N	U		U	180	9.1	ug/kg
CC-C-042-2-4-20140220	480-55087-5	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	180	4.7	ug/kg
CC-C-042-2-4-20140220	480-55087-5	INDENO(1,2,3-C,D)PYRENE	2/26/2014	220	Yes	Y				180	5.0	ug/kg
CC-C-042-2-4-20140220	480-55087-5	DI-N-OCTYL PHTHALATE	2/26/2014		Yes	N	U		U	180	4.2	ug/kg
CC-C-042-2-4-20140220	480-55087-5	FLUORANTHENE	2/26/2014	360	Yes	Y				180	2.6	ug/kg
CC-C-042-2-4-20140220	480-55087-5	FLUORENE	2/26/2014	14	Yes	Y	J		J	180	4.2	ug/kg
CC-C-042-2-4-20140220	480-55087-5	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	180	9.0	ug/kg
CC-C-042-2-4-20140220	480-55087-5	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	180	9.3	ug/kg
CC-C-042-2-4-20140220	480-55087-5	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U		U	180	55	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-042-2-4-20140220	480-55087-5	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U	UJ	UJ	180	49	ug/kg
CC-C-042-2-4-20140220	480-55087-5	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	180	5.5	ug/kg
CC-C-042-2-4-20140220	480-55087-5	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		U	180	7.5	ug/kg
CC-C-042-2-4-20140220	480-55087-5	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	180	58	ug/kg
CC-C-042-2-4-20140220	480-55087-5	ATRAZINE	2/26/2014		Yes	N	U		U	180	8.1	ug/kg
CC-C-042-2-4-20140220	480-55087-5	ANTHRACENE	2/26/2014	52	Yes	Y	J		J	180	4.6	ug/kg
CC-C-042-2-4-20140220	480-55087-5	ACETOPHENONE	2/26/2014		Yes	N	U		U	180	9.3	ug/kg
CC-C-042-2-4-20140220	480-55087-5	ACENAPHTHYLENE	2/26/2014	12	Yes	Y	J		J	180	1.5	ug/kg
CC-C-042-2-4-20140220	480-55087-5	4-NITROANILINE	2/26/2014		Yes	N	U		U	350	20	ug/kg
CC-C-042-2-4-20140220	480-55087-5	ACENAPHTHENE	2/26/2014	15	Yes	Y	J		J	180	2.1	ug/kg
CC-C-042-2-4-20140220	480-55087-5	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		U	350	10	ug/kg
CC-C-042-2-4-20140220	480-55087-5	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	180	3.9	ug/kg
CC-C-042-2-4-20140220	480-55087-5	4-CHLOROANILINE	2/26/2014		Yes	N	U		U	180	53	ug/kg
CC-C-042-8-10-20140220	480-55087-7	CHRYSENE	2/26/2014		Yes	N	U		U	180	1.7	ug/kg
CC-C-042-8-10-20140220	480-55087-7	4-CHLOROANILINE	2/26/2014		Yes	N	U		U	180	51	ug/kg
CC-C-042-8-10-20140220	480-55087-7	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	180	3.7	ug/kg
CC-C-042-8-10-20140220	480-55087-7	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	180	38	ug/kg
CC-C-042-8-10-20140220	480-55087-7	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U		U	180	4.1	ug/kg
CC-C-042-8-10-20140220	480-55087-7	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	180	12	ug/kg
CC-C-042-8-10-20140220	480-55087-7	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	180	60	ug/kg
CC-C-042-8-10-20140220	480-55087-7	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	180	4.6	ug/kg
CC-C-042-8-10-20140220	480-55087-7	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	180	5.3	ug/kg
CC-C-042-8-10-20140220	480-55087-7	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	180	14	ug/kg
CC-C-042-8-10-20140220	480-55087-7	DIBENZ(A,H)ANTHRACENE	2/26/2014		Yes	N	U		U	180	2.1	ug/kg
CC-C-042-8-10-20140220	480-55087-7	PHENOL	2/26/2014		Yes	N	U		U	180	18	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-042-8-10-20140220	480-55087-7	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		U	180	7.2	ug/kg
CC-C-042-8-10-20140220	480-55087-7	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	180	11	ug/kg
CC-C-042-8-10-20140220	480-55087-7	BENZO(A)PYRENE	2/26/2014		Yes	N	U		U	180	4.2	ug/kg
CC-C-042-8-10-20140220	480-55087-7	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U		U	180	53	ug/kg
CC-C-042-8-10-20140220	480-55087-7	BENZO(A)ANTHRACENE	2/26/2014		Yes	N	U		U	180	3.0	ug/kg
CC-C-042-8-10-20140220	480-55087-7	PYRENE	2/26/2014		Yes	N	U		U	180	1.1	ug/kg
CC-C-042-8-10-20140220	480-55087-7	DIBENZOFURAN	2/26/2014		Yes	N	U		U	180	1.8	ug/kg
CC-C-042-8-10-20140220	480-55087-7	BENZO(G,H,I)PERYLENE	2/26/2014		Yes	N	U		U	180	2.1	ug/kg
CC-C-042-8-10-20140220	480-55087-7	2,4-DINITROPHENOL	2/26/2014		Yes	N	U		U	340	61	ug/kg
CC-C-042-8-10-20140220	480-55087-7	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	180	27	ug/kg
CC-C-042-8-10-20140220	480-55087-7	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		U	180	43	ug/kg
CC-C-042-8-10-20140220	480-55087-7	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		U	180	12	ug/kg
CC-C-042-8-10-20140220	480-55087-7	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	180	8.9	ug/kg
CC-C-042-8-10-20140220	480-55087-7	2-METHYLNAPHTHALENE	2/26/2014		Yes	N	U		U	180	2.1	ug/kg
CC-C-042-8-10-20140220	480-55087-7	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U	180	5.4	ug/kg
CC-C-042-8-10-20140220	480-55087-7	2-NITROANILINE	2/26/2014		Yes	N	U		U	340	56	ug/kg
CC-C-042-8-10-20140220	480-55087-7	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	180	47	ug/kg
CC-C-042-8-10-20140220	480-55087-7	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U		U	180	150	ug/kg
CC-C-042-8-10-20140220	480-55087-7	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	180	56	ug/kg
CC-C-042-8-10-20140220	480-55087-7	BENZO(K)FLUORANTHENE	2/26/2014		Yes	N	U		U	180	1.9	ug/kg
CC-C-042-8-10-20140220	480-55087-7	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	180	47	ug/kg
CC-C-042-8-10-20140220	480-55087-7	ANTHRACENE	2/26/2014		Yes	N	U		U	180	4.5	ug/kg
CC-C-042-8-10-20140220	480-55087-7	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	180	9.5	ug/kg
CC-C-042-8-10-20140220	480-55087-7	ATRAZINE	2/26/2014		Yes	N	U		U	180	7.8	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-042-8-10-20140220	480-55087-7	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	180	15	ug/kg
CC-C-042-8-10-20140220	480-55087-7	3-NITROANILINE	2/26/2014		Yes	N	U		U	340	40	ug/kg
CC-C-042-8-10-20140220	480-55087-7	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	340	60	ug/kg
CC-C-042-8-10-20140220	480-55087-7	2-NITROPHENOL	2/26/2014		Yes	N	U		U	180	8.0	ug/kg
CC-C-042-8-10-20140220	480-55087-7	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	180	9.5	ug/kg
CC-C-042-8-10-20140220	480-55087-7	NAPHTHALENE	2/26/2014		Yes	N	U		U	180	2.9	ug/kg
CC-C-042-8-10-20140220	480-55087-7	CAPROLACTAM	2/26/2014		Yes	N	U		U	180	76	ug/kg
CC-C-042-8-10-20140220	480-55087-7	BENZALDEHYDE	2/26/2014		Yes	N	U		U	180	19	ug/kg
CC-C-042-8-10-20140220	480-55087-7	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		U	340	9.7	ug/kg
CC-C-042-8-10-20140220	480-55087-7	ACETOPHENONE	2/26/2014		Yes	N	U		U	180	9.0	ug/kg
CC-C-042-8-10-20140220	480-55087-7	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	180	9.2	ug/kg
CC-C-042-8-10-20140220	480-55087-7	ISOPHORONE	2/26/2014		Yes	N	U		U	180	8.7	ug/kg
CC-C-042-8-10-20140220	480-55087-7	CARBAZOLE	2/26/2014		Yes	N	U		U	180	2.0	ug/kg
CC-C-042-8-10-20140220	480-55087-7	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014	120	Yes	Y	J		J	180	56	ug/kg
CC-C-042-8-10-20140220	480-55087-7	NITROBENZENE	2/26/2014		Yes	N	U		U	180	7.7	ug/kg
CC-C-042-8-10-20140220	480-55087-7	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		U	180	14	ug/kg
CC-C-042-8-10-20140220	480-55087-7	FLUORANTHENE	2/26/2014		Yes	N	U		U	180	2.5	ug/kg
CC-C-042-8-10-20140220	480-55087-7	FLUORENE	2/26/2014		Yes	N	U		U	180	4.0	ug/kg
CC-C-042-8-10-20140220	480-55087-7	4-NITROPHENOL	2/26/2014		Yes	N	U		U	340	42	ug/kg
CC-C-042-8-10-20140220	480-55087-7	ACENAPHTHYLENE	2/26/2014		Yes	N	U		U	180	1.4	ug/kg
CC-C-042-8-10-20140220	480-55087-7	BENZO(B)FLUORANTHENE	2/26/2014		Yes	N	U		U	180	3.4	ug/kg
CC-C-042-8-10-20140220	480-55087-7	ACENAPHTHENE	2/26/2014		Yes	N	U		U	180	2.1	ug/kg
CC-C-042-8-10-20140220	480-55087-7	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	180	8.7	ug/kg
CC-C-042-8-10-20140220	480-55087-7	4-NITROANILINE	2/26/2014		Yes	N	U		U	340	20	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-042-8-10-20140220	480-55087-7	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	180	18	ug/kg
CC-C-042-8-10-20140220	480-55087-7	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	340	60	ug/kg
CC-C-042-8-10-20140220	480-55087-7	PHENANTHRENE	2/26/2014		Yes	N	U		U	180	3.7	ug/kg
CC-C-042-8-10-20140220	480-55087-7	INDENO(1,2,3-C,D)PYRENE	2/26/2014		Yes	N	U		U	180	4.8	ug/kg
CC-C-042-8-10-20140220	480-55087-7	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	180	8.9	ug/kg
CC-C-043-0-2-20140220	480-55087-8	BENZO(A)PYRENE	2/26/2014	1100	Yes	Y	J		J	1900	45	ug/kg
CC-C-043-0-2-20140220	480-55087-8	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	1900	57	ug/kg
CC-C-043-0-2-20140220	480-55087-8	ACETOPHENONE	2/26/2014		Yes	N	U		U	1900	96	ug/kg
CC-C-043-0-2-20140220	480-55087-8	BENZALDEHYDE	2/26/2014		Yes	N	U	R	R	1900	210	ug/kg
CC-C-043-0-2-20140220	480-55087-8	BENZO(K)FLUORANTHENE	2/26/2014	630	Yes	Y	J		J	1900	21	ug/kg
CC-C-043-0-2-20140220	480-55087-8	ACENAPHTHYLENE	2/26/2014	92	Yes	Y	J		J	1900	15	ug/kg
CC-C-043-0-2-20140220	480-55087-8	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U	UJ	UJ	1900	500	ug/kg
CC-C-043-0-2-20140220	480-55087-8	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014		Yes	N	U	UJ	UJ	1900	610	ug/kg
CC-C-043-0-2-20140220	480-55087-8	ATRAZINE	2/26/2014		Yes	N	U		U	1900	84	ug/kg
CC-C-043-0-2-20140220	480-55087-8	BENZO(B)FLUORANTHENE	2/26/2014	1500	Yes	Y	J		J	1900	36	ug/kg
CC-C-043-0-2-20140220	480-55087-8	ANTHRACENE	2/26/2014	380	Yes	Y	J		J	1900	48	ug/kg
CC-C-043-0-2-20140220	480-55087-8	BENZO(G,H,I)PERYLENE	2/26/2014	920	Yes	Y	J		J	1900	23	ug/kg
CC-C-043-0-2-20140220	480-55087-8	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U	UJ	UJ	1900	1600	ug/kg
CC-C-043-0-2-20140220	480-55087-8	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	1900	49	ug/kg
CC-C-043-0-2-20140220	480-55087-8	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		U	3700	100	ug/kg
CC-C-043-0-2-20140220	480-55087-8	4-NITROANILINE	2/26/2014		Yes	N	U		U	3700	210	ug/kg
CC-C-043-0-2-20140220	480-55087-8	BENZO(A)ANTHRACENE	2/26/2014	1200	Yes	Y	J	J	J	1900	32	ug/kg
CC-C-043-0-2-20140220	480-55087-8	FLUORENE	2/26/2014	110	Yes	Y	J		J	1900	43	ug/kg
CC-C-043-0-2-20140220	480-55087-8	CHRYSENE	2/26/2014	1200	Yes	Y	J	J	J	1900	19	ug/kg
CC-C-043-0-2-20140220	480-55087-8	FLUORANTHENE	2/26/2014	1800	Yes	Y	J		J	1900	27	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-043-0-2-20140220	480-55087-8	DIBENZ(A,H)ANTHRACENE	2/26/2014		Yes	N	U		U	1900	22	ug/kg
CC-C-043-0-2-20140220	480-55087-8	2,4-DINITROPHENOL	2/26/2014		Yes	N	U	UJ	UJ	3700	660	ug/kg
CC-C-043-0-2-20140220	480-55087-8	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-043-0-2-20140220	480-55087-8	DIBENZOFURAN	2/26/2014		Yes	N	U		U	1900	20	ug/kg
CC-C-043-0-2-20140220	480-55087-8	CARBAZOLE	2/26/2014	110	Yes	Y	J		J	1900	22	ug/kg
CC-C-043-0-2-20140220	480-55087-8	CAPROLACTAM	2/26/2014		Yes	N	U		U	1900	810	ug/kg
CC-C-043-0-2-20140220	480-55087-8	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	1900	200	ug/kg
CC-C-043-0-2-20140220	480-55087-8	4-NITROPHENOL	2/26/2014		Yes	N	U	UJ	UJ	3700	460	ug/kg
CC-C-043-0-2-20140220	480-55087-8	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	1900	160	ug/kg
CC-C-043-0-2-20140220	480-55087-8	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	1900	100	ug/kg
CC-C-043-0-2-20140220	480-55087-8	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	1900	650	ug/kg
CC-C-043-0-2-20140220	480-55087-8	NAPHTHALENE	2/26/2014		Yes	N	U		U	1900	31	ug/kg
CC-C-043-0-2-20140220	480-55087-8	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-043-0-2-20140220	480-55087-8	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	1900	410	ug/kg
CC-C-043-0-2-20140220	480-55087-8	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	1900	93	ug/kg
CC-C-043-0-2-20140220	480-55087-8	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	1900	96	ug/kg
CC-C-043-0-2-20140220	480-55087-8	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U		U	1900	570	ug/kg
CC-C-043-0-2-20140220	480-55087-8	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	1900	150	ug/kg
CC-C-043-0-2-20140220	480-55087-8	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	1900	98	ug/kg
CC-C-043-0-2-20140220	480-55087-8	ISOPHORONE	2/26/2014		Yes	N	U		U	1900	94	ug/kg
CC-C-043-0-2-20140220	480-55087-8	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	3700	640	ug/kg
CC-C-043-0-2-20140220	480-55087-8	NITROBENZENE	2/26/2014		Yes	N	U		U	1900	83	ug/kg
CC-C-043-0-2-20140220	480-55087-8	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		U	1900	150	ug/kg
CC-C-043-0-2-20140220	480-55087-8	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	1900	100	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-043-0-2-20140220	480-55087-8	PHENANTHRENE	2/26/2014	1400	Yes	Y	J		J	1900	39	ug/kg
CC-C-043-0-2-20140220	480-55087-8	PHENOL	2/26/2014		Yes	N	U		U	1900	200	ug/kg
CC-C-043-0-2-20140220	480-55087-8	PYRENE	2/26/2014	2600	Yes	Y				1900	12	ug/kg
CC-C-043-0-2-20140220	480-55087-8	ACENAPHTHENE	2/26/2014	130	Yes	Y	J		J	1900	22	ug/kg
CC-C-043-0-2-20140220	480-55087-8	INDENO(1,2,3-C,D)PYRENE	2/26/2014	1100	Yes	Y	J		J	1900	52	ug/kg
CC-C-043-0-2-20140220	480-55087-8	3-NITROANILINE	2/26/2014		Yes	N	U		U	3700	430	ug/kg
CC-C-043-0-2-20140220	480-55087-8	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	1900	40	ug/kg
CC-C-043-0-2-20140220	480-55087-8	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U	UJ	UJ	1900	44	ug/kg
CC-C-043-0-2-20140220	480-55087-8	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		U	1900	77	ug/kg
CC-C-043-0-2-20140220	480-55087-8	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	1900	510	ug/kg
CC-C-043-0-2-20140220	480-55087-8	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	3700	650	ug/kg
CC-C-043-0-2-20140220	480-55087-8	4-CHLOROANILINE	2/26/2014		Yes	N	U		U	1900	550	ug/kg
CC-C-043-0-2-20140220	480-55087-8	2-NITROPHENOL	2/26/2014		Yes	N	U		U	1900	86	ug/kg
CC-C-043-0-2-20140220	480-55087-8	2-NITROANILINE	2/26/2014		Yes	N	U		U	3700	600	ug/kg
CC-C-043-0-2-20140220	480-55087-8	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U	1900	58	ug/kg
CC-C-043-0-2-20140220	480-55087-8	2-METHYLNAPHTHALENE	2/26/2014	25	Yes	Y	J		J	1900	23	ug/kg
CC-C-043-0-2-20140220	480-55087-8	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	1900	96	ug/kg
CC-C-043-0-2-20140220	480-55087-8	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		U	1900	130	ug/kg
CC-C-043-0-2-20140220	480-55087-8	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		U	1900	460	ug/kg
CC-C-043-0-2-20140220	480-55087-8	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	1900	290	ug/kg
CC-C-043-0-2-20140220	480-55087-8	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	1900	600	ug/kg
CC-C-043-2-4-20140220	480-55087-9	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	190	12	ug/kg
CC-C-043-2-4-20140220	480-55087-9	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	190	9.7	ug/kg
CC-C-043-2-4-20140220	480-55087-9	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	190	12	ug/kg
CC-C-043-2-4-20140220	480-55087-9	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U		U	190	4.3	ug/kg

SDG: 480550871

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-043-2-4-20140220	480-55087-9	FLUORANTHENE	2/26/2014	530	Yes	Y				190	2.7	ug/kg
CC-C-043-2-4-20140220	480-55087-9	FLUORENE	2/26/2014	45	Yes	Y	J		J	190	4.3	ug/kg
CC-C-043-2-4-20140220	480-55087-9	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	190	9.2	ug/kg
CC-C-043-2-4-20140220	480-55087-9	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	190	9.5	ug/kg
CC-C-043-2-4-20140220	480-55087-9	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U		U	190	56	ug/kg
CC-C-043-2-4-20140220	480-55087-9	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	190	14	ug/kg
CC-C-043-2-4-20140220	480-55087-9	INDENO(1,2,3-C,D)PYRENE	2/26/2014	400	Yes	Y				190	5.1	ug/kg
CC-C-043-2-4-20140220	480-55087-9	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	190	40	ug/kg
CC-C-043-2-4-20140220	480-55087-9	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		U	190	45	ug/kg
CC-C-043-2-4-20140220	480-55087-9	NAPHTHALENE	2/26/2014	21	Yes	Y	J		J	190	3.1	ug/kg
CC-C-043-2-4-20140220	480-55087-9	NITROBENZENE	2/26/2014		Yes	N	U		U	190	8.2	ug/kg
CC-C-043-2-4-20140220	480-55087-9	ISOPHORONE	2/26/2014		Yes	N	U		U	190	9.2	ug/kg
CC-C-043-2-4-20140220	480-55087-9	DIBENZ(A,H)ANTHRACENE	2/26/2014	67	Yes	Y	J		J	190	2.2	ug/kg
CC-C-043-2-4-20140220	480-55087-9	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	190	10	ug/kg
CC-C-043-2-4-20140220	480-55087-9	ANTHRACENE	2/26/2014	110	Yes	Y	J		J	190	4.7	ug/kg
CC-C-043-2-4-20140220	480-55087-9	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		U	190	15	ug/kg
CC-C-043-2-4-20140220	480-55087-9	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	190	19	ug/kg
CC-C-043-2-4-20140220	480-55087-9	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014	96	Yes	Y	J		J	190	60	ug/kg
CC-C-043-2-4-20140220	480-55087-9	CAPROLACTAM	2/26/2014		Yes	N	U		U	190	80	ug/kg
CC-C-043-2-4-20140220	480-55087-9	DIBENZOFURAN	2/26/2014	22	Yes	Y	J		J	190	1.9	ug/kg
CC-C-043-2-4-20140220	480-55087-9	CHRYSENE	2/26/2014	450	Yes	Y				190	1.8	ug/kg
CC-C-043-2-4-20140220	480-55087-9	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	190	64	ug/kg
CC-C-043-2-4-20140220	480-55087-9	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	190	29	ug/kg
CC-C-043-2-4-20140220	480-55087-9	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	190	16	ug/kg

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Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-043-2-4-20140220	480-55087-9	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	190	5.6	ug/kg
CC-C-043-2-4-20140220	480-55087-9	2,4-DINITROPHENOL	2/26/2014		Yes	N	U		U	360	65	ug/kg
CC-C-043-2-4-20140220	480-55087-9	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	190	50	ug/kg
CC-C-043-2-4-20140220	480-55087-9	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	190	4.8	ug/kg
CC-C-043-2-4-20140220	480-55087-9	CARBAZOLE	2/26/2014	30	Yes	Y	J		J	190	2.1	ug/kg
CC-C-043-2-4-20140220	480-55087-9	2-NITROANILINE	2/26/2014		Yes	N	U		U	360	59	ug/kg
CC-C-043-2-4-20140220	480-55087-9	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		U	360	10	ug/kg
CC-C-043-2-4-20140220	480-55087-9	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	190	3.9	ug/kg
CC-C-043-2-4-20140220	480-55087-9	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	190	10	ug/kg
CC-C-043-2-4-20140220	480-55087-9	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		U	190	12	ug/kg
CC-C-043-2-4-20140220	480-55087-9	BENZALDEHYDE	2/26/2014		Yes	N	U		U	190	20	ug/kg
CC-C-043-2-4-20140220	480-55087-9	4-NITROANILINE	2/26/2014		Yes	N	U		U	360	21	ug/kg
CC-C-043-2-4-20140220	480-55087-9	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U	190	5.7	ug/kg
CC-C-043-2-4-20140220	480-55087-9	4-CHLOROANILINE	2/26/2014		Yes	N	U		U	190	54	ug/kg
CC-C-043-2-4-20140220	480-55087-9	2-NITROPHENOL	2/26/2014		Yes	N	U		U	190	8.4	ug/kg
CC-C-043-2-4-20140220	480-55087-9	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U		U	190	160	ug/kg
CC-C-043-2-4-20140220	480-55087-9	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		U	190	7.6	ug/kg
CC-C-043-2-4-20140220	480-55087-9	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	190	59	ug/kg
CC-C-043-2-4-20140220	480-55087-9	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	360	64	ug/kg
CC-C-043-2-4-20140220	480-55087-9	3-NITROANILINE	2/26/2014		Yes	N	U		U	360	42	ug/kg
CC-C-043-2-4-20140220	480-55087-9	2-METHYLNAPHTHALENE	2/26/2014	12	Yes	Y	J		J	190	2.2	ug/kg
CC-C-043-2-4-20140220	480-55087-9	PYRENE	2/26/2014	940	Yes	Y				190	1.2	ug/kg
CC-C-043-2-4-20140220	480-55087-9	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	360	63	ug/kg
CC-C-043-2-4-20140220	480-55087-9	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	190	9.4	ug/kg
CC-C-043-2-4-20140220	480-55087-9	PHENOL	2/26/2014		Yes	N	U		U	190	19	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-043-2-4-20140220	480-55087-9	4-NITROPHENOL	2/26/2014		Yes	N	U		U	360	45	ug/kg
CC-C-043-2-4-20140220	480-55087-9	BENZYL BUTYL PHTHALATE	2/26/2014	71	Yes	Y	J		J	190	50	ug/kg
CC-C-043-2-4-20140220	480-55087-9	BENZO(K)FLUORANTHENE	2/26/2014	180	Yes	Y	J		J	190	2.0	ug/kg
CC-C-043-2-4-20140220	480-55087-9	BENZO(G,H,I)PERYLENE	2/26/2014	320	Yes	Y				190	2.2	ug/kg
CC-C-043-2-4-20140220	480-55087-9	ACENAPHTHENE	2/26/2014	31	Yes	Y	J		J	190	2.2	ug/kg
CC-C-043-2-4-20140220	480-55087-9	BENZO(A)PYRENE	2/26/2014	380	Yes	Y				190	4.5	ug/kg
CC-C-043-2-4-20140220	480-55087-9	BENZO(A)ANTHRACENE	2/26/2014	390	Yes	Y				190	3.2	ug/kg
CC-C-043-2-4-20140220	480-55087-9	ATRAZINE	2/26/2014		Yes	N	U		U	190	8.2	ug/kg
CC-C-043-2-4-20140220	480-55087-9	ACETOPHENONE	2/26/2014		Yes	N	U		U	190	9.5	ug/kg
CC-C-043-2-4-20140220	480-55087-9	ACENAPHTHYLENE	2/26/2014	55	Yes	Y	J		J	190	1.5	ug/kg
CC-C-043-2-4-20140220	480-55087-9	BENZO(B)FLUORANTHENE	2/26/2014	520	Yes	Y				190	3.6	ug/kg
CC-C-043-2-4-20140220	480-55087-9	PHENANTHRENE	2/26/2014	480	Yes	Y				190	3.9	ug/kg
CC-C-043-6-8-20140220	480-55087-10	HEXACHLOROETHANE	2/28/2014		Yes	N	U		U	190	15	ug/kg
CC-C-043-6-8-20140220	480-55087-10	ISOPHORONE	2/28/2014		Yes	N	U		U	190	9.6	ug/kg
CC-C-043-6-8-20140220	480-55087-10	NAPHTHALENE	2/28/2014		Yes	N	U		U	190	3.2	ug/kg
CC-C-043-6-8-20140220	480-55087-10	NITROBENZENE	2/28/2014		Yes	N	U		U	190	8.5	ug/kg
CC-C-043-6-8-20140220	480-55087-10	N-NITROSODI-N-PROPYLAMINE	2/28/2014		Yes	N	U		U	190	15	ug/kg
CC-C-043-6-8-20140220	480-55087-10	N-NITROSODIPHENYLAMINE	2/28/2014		Yes	N	U		U	190	10	ug/kg
CC-C-043-6-8-20140220	480-55087-10	PENTACHLOROPHENOL	2/28/2014		Yes	N	U		U	370	66	ug/kg
CC-C-043-6-8-20140220	480-55087-10	PHENOL	2/28/2014		Yes	N	U		U	190	20	ug/kg
CC-C-043-6-8-20140220	480-55087-10	PYRENE	2/28/2014	170	Yes	Y	J		J	190	1.2	ug/kg
CC-C-043-6-8-20140220	480-55087-10	4-CHLORO-3-METHYLPHENOL	2/28/2014		Yes	N	U		U	190	7.9	ug/kg
CC-C-043-6-8-20140220	480-55087-10	PHENANTHRENE	2/28/2014	100	Yes	Y	J		J	190	4.0	ug/kg
CC-C-043-6-8-20140220	480-55087-10	2-METHYLNAPHTHALENE	2/28/2014		Yes	N	U		U	190	2.3	ug/kg
CC-C-043-6-8-20140220	480-55087-10	4-CHLOROPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	190	4.1	ug/kg

SDG: 480550871

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-043-6-8-20140220	480-55087-10	ACENAPHTHENE	2/28/2014		Yes	N	U		U	190	2.3	ug/kg
CC-C-043-6-8-20140220	480-55087-10	4-NITROPHENOL	2/28/2014		Yes	N	U		U	370	46	ug/kg
CC-C-043-6-8-20140220	480-55087-10	4-NITROANILINE	2/28/2014		Yes	N	U		U	370	21	ug/kg
CC-C-043-6-8-20140220	480-55087-10	4-METHYLPHENOL (P-CRESOL)	2/28/2014		Yes	N	U		U	370	11	ug/kg
CC-C-043-6-8-20140220	480-55087-10	4-CHLOROANILINE	2/28/2014		Yes	N	U		U	190	56	ug/kg
CC-C-043-6-8-20140220	480-55087-10	4-BROMOPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	190	61	ug/kg
CC-C-043-6-8-20140220	480-55087-10	4,6-DINITRO-2-METHYLPHENOL	2/28/2014		Yes	N	U		U	370	66	ug/kg
CC-C-043-6-8-20140220	480-55087-10	3-NITROANILINE	2/28/2014		Yes	N	U		U	370	44	ug/kg
CC-C-043-6-8-20140220	480-55087-10	3,3'-DICHLOROBENZIDINE	2/28/2014		Yes	N	U		U	190	170	ug/kg
CC-C-043-6-8-20140220	480-55087-10	2-NITROPHENOL	2/28/2014		Yes	N	U		U	190	8.8	ug/kg
CC-C-043-6-8-20140220	480-55087-10	ACETOPHENONE	2/28/2014		Yes	N	U		U	190	9.8	ug/kg
CC-C-043-6-8-20140220	480-55087-10	2-METHYLPHENOL (O-CRESOL)	2/28/2014		Yes	N	U		U	190	5.9	ug/kg
CC-C-043-6-8-20140220	480-55087-10	BENZO(A)PYRENE	2/28/2014	140	Yes	Y	J	J	J	190	4.6	ug/kg
CC-C-043-6-8-20140220	480-55087-10	2-CHLOROPHENOL	2/28/2014		Yes	N	U		U	190	9.7	ug/kg
CC-C-043-6-8-20140220	480-55087-10	2-CHLORONAPHTHALENE	2/28/2014		Yes	N	U		U	190	13	ug/kg
CC-C-043-6-8-20140220	480-55087-10	2,6-DINITROTOLUENE	2/28/2014		Yes	N	U		U	190	47	ug/kg
CC-C-043-6-8-20140220	480-55087-10	2,4-DINITROTOLUENE	2/28/2014		Yes	N	U		U	190	30	ug/kg
CC-C-043-6-8-20140220	480-55087-10	2,4-DINITROPHENOL	2/28/2014		Yes	N	U		U	370	67	ug/kg
CC-C-043-6-8-20140220	480-55087-10	2,4-DIMETHYLPHENOL	2/28/2014		Yes	N	U		U	190	52	ug/kg
CC-C-043-6-8-20140220	480-55087-10	2,4-DICHLOROPHENOL	2/28/2014		Yes	N	U		U	190	10	ug/kg
CC-C-043-6-8-20140220	480-55087-10	2,4,6-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	190	13	ug/kg
CC-C-043-6-8-20140220	480-55087-10	2,4,5-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	190	42	ug/kg
CC-C-043-6-8-20140220	480-55087-10	INDENO(1,2,3-C,D)PYRENE	2/28/2014	57	Yes	Y	J	J	J	190	5.3	ug/kg
CC-C-043-6-8-20140220	480-55087-10	BENZO(K)FLUORANTHENE	2/28/2014	31	Yes	Y	J	J	J	190	2.1	ug/kg
CC-C-043-6-8-20140220	480-55087-10	2-NITROANILINE	2/28/2014		Yes	N	U		U	370	61	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-043-6-8-20140220	480-55087-10	BIS(2-CHLOROISOPROPYL) ETHER	2/28/2014		Yes	N	U		U	190	20	ug/kg
CC-C-043-6-8-20140220	480-55087-10	HEXACHLOROBUTADIENE	2/28/2014		Yes	N	U		U	190	9.8	ug/kg
CC-C-043-6-8-20140220	480-55087-10	HEXACHLOROBENZENE	2/28/2014		Yes	N	U		U	190	9.5	ug/kg
CC-C-043-6-8-20140220	480-55087-10	FLUORENE	2/28/2014	11	Yes	Y	J		J	190	4.4	ug/kg
CC-C-043-6-8-20140220	480-55087-10	FLUORANTHENE	2/28/2014	200	Yes	Y				190	2.8	ug/kg
CC-C-043-6-8-20140220	480-55087-10	DI-N-OCTYLPHTHALATE	2/28/2014		Yes	N	U		U	190	4.5	ug/kg
CC-C-043-6-8-20140220	480-55087-10	DI-N-BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	190	66	ug/kg
CC-C-043-6-8-20140220	480-55087-10	DIMETHYL PHTHALATE	2/28/2014		Yes	N	U		U	190	5.0	ug/kg
CC-C-043-6-8-20140220	480-55087-10	DIETHYL PHTHALATE	2/28/2014		Yes	N	U		U	190	5.8	ug/kg
CC-C-043-6-8-20140220	480-55087-10	DIBENZOFURAN	2/28/2014	13	Yes	Y	J		J	190	2.0	ug/kg
CC-C-043-6-8-20140220	480-55087-10	CHRYSENE	2/28/2014	120	Yes	Y	J		J	190	1.9	ug/kg
CC-C-043-6-8-20140220	480-55087-10	CARBAZOLE	2/28/2014		Yes	N	U		U	190	2.2	ug/kg
CC-C-043-6-8-20140220	480-55087-10	ACENAPHTHYLENE	2/28/2014		Yes	N	U		U	190	1.6	ug/kg
CC-C-043-6-8-20140220	480-55087-10	BIS(2-ETHYLHEXYL) PHTHALATE	2/28/2014	82	Yes	Y	J		J	190	62	ug/kg
CC-C-043-6-8-20140220	480-55087-10	HEXACHLOROCYCLOPENTADIENE	2/28/2014		Yes	N	U		U	190	58	ug/kg
CC-C-043-6-8-20140220	480-55087-10	DIBENZ(A,H)ANTHRACENE	2/28/2014		Yes	N	U	UJ	UJ	190	2.3	ug/kg
CC-C-043-6-8-20140220	480-55087-10	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/28/2014		Yes	N	U		U	190	17	ug/kg
CC-C-043-6-8-20140220	480-55087-10	BIS(2-CHLOROETHOXY) METHANE	2/28/2014		Yes	N	U		U	190	10	ug/kg
CC-C-043-6-8-20140220	480-55087-10	BIPHENYL (DIPHENYL)	2/28/2014		Yes	N	U		U	190	12	ug/kg
CC-C-043-6-8-20140220	480-55087-10	BENZYL BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	190	51	ug/kg
CC-C-043-6-8-20140220	480-55087-10	BENZO(G,H,I)PERYLENE	2/28/2014	59	Yes	Y	J	J	J	190	2.3	ug/kg
CC-C-043-6-8-20140220	480-55087-10	BENZO(B)FLUORANTHENE	2/28/2014	66	Yes	Y	J	J	J	190	3.7	ug/kg
CC-C-043-6-8-20140220	480-55087-10	BENZO(A)ANTHRACENE	2/28/2014	110	Yes	Y	J		J	190	3.3	ug/kg
CC-C-043-6-8-20140220	480-55087-10	ATRAZINE	2/28/2014		Yes	N	U		U	190	8.5	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-043-6-8-20140220	480-55087-10	ANTHRACENE	2/28/2014	25	Yes	Y	J		J	190	4.9	ug/kg
CC-C-043-6-8-20140220	480-55087-10	BENZALDEHYDE	2/28/2014		Yes	N	U	UJ	UJ	190	21	ug/kg
CC-C-043-6-8-20140220	480-55087-10	CAPROLACTAM	2/28/2014		Yes	N	U		U	190	83	ug/kg
CC-C-044-0-2-20140220	480-55087-13	HEXACHLOROBUTADIENE	2/25/2014		Yes	N	U		U	1900	95	ug/kg
CC-C-044-0-2-20140220	480-55087-13	BIS(2-ETHYLHEXYL) PHTHALATE	2/25/2014		Yes	N	U		U	1900	600	ug/kg
CC-C-044-0-2-20140220	480-55087-13	BENZO(G,H,I)PERYLENE	2/25/2014	640	Yes	Y	J		J	1900	22	ug/kg
CC-C-044-0-2-20140220	480-55087-13	DIETHYL PHTHALATE	2/25/2014		Yes	N	U		U	1900	56	ug/kg
CC-C-044-0-2-20140220	480-55087-13	DIBENZOFURAN	2/25/2014		Yes	N	U		U	1900	19	ug/kg
CC-C-044-0-2-20140220	480-55087-13	DIBENZ(A,H)ANTHRACENE	2/25/2014		Yes	N	U		U	1900	22	ug/kg
CC-C-044-0-2-20140220	480-55087-13	CHRYSENE	2/25/2014	740	Yes	Y	J		J	1900	19	ug/kg
CC-C-044-0-2-20140220	480-55087-13	FLUORANTHENE	2/25/2014	780	Yes	Y	J		J	1900	27	ug/kg
CC-C-044-0-2-20140220	480-55087-13	CAPROLACTAM	2/25/2014		Yes	N	U		U	1900	800	ug/kg
CC-C-044-0-2-20140220	480-55087-13	HEXACHLOROBENZENE	2/25/2014		Yes	N	U		U	1900	92	ug/kg
CC-C-044-0-2-20140220	480-55087-13	BIS(2-CHLOROISOPROPYL) ETHER	2/25/2014		Yes	N	U		U	1900	190	ug/kg
CC-C-044-0-2-20140220	480-55087-13	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/25/2014		Yes	N	U		U	1900	160	ug/kg
CC-C-044-0-2-20140220	480-55087-13	BIS(2-CHLOROETHOXY) METHANE	2/25/2014		Yes	N	U		U	1900	100	ug/kg
CC-C-044-0-2-20140220	480-55087-13	BIPHENYL (DIPHENYL)	2/25/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-044-0-2-20140220	480-55087-13	BENZYL BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	1900	500	ug/kg
CC-C-044-0-2-20140220	480-55087-13	BENZO(K)FLUORANTHENE	2/25/2014	410	Yes	Y	J		J	1900	20	ug/kg
CC-C-044-0-2-20140220	480-55087-13	CARBAZOLE	2/25/2014		Yes	N	U		U	1900	21	ug/kg
CC-C-044-0-2-20140220	480-55087-13	N-NITROSODI-N-PROPYLAMINE	2/25/2014		Yes	N	U		U	1900	150	ug/kg
CC-C-044-0-2-20140220	480-55087-13	FLUORENE	2/25/2014		Yes	N	U		U	1900	43	ug/kg
CC-C-044-0-2-20140220	480-55087-13	2,4,5-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	1900	400	ug/kg
CC-C-044-0-2-20140220	480-55087-13	PYRENE	2/25/2014	1200	Yes	Y	J		J	1900	12	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-044-0-2-20140220	480-55087-13	PHENOL	2/25/2014		Yes	N	U		U	1900	190	ug/kg
CC-C-044-0-2-20140220	480-55087-13	PHENANTHRENE	2/25/2014	550	Yes	Y	J		J	1900	39	ug/kg
CC-C-044-0-2-20140220	480-55087-13	DI-N-BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	1900	640	ug/kg
CC-C-044-0-2-20140220	480-55087-13	N-NITROSODIPHENYLAMINE	2/25/2014		Yes	N	U		U	1900	100	ug/kg
CC-C-044-0-2-20140220	480-55087-13	DIMETHYL PHTHALATE	2/25/2014		Yes	N	U		U	1900	48	ug/kg
CC-C-044-0-2-20140220	480-55087-13	NITROBENZENE	2/25/2014		Yes	N	U		U	1900	82	ug/kg
CC-C-044-0-2-20140220	480-55087-13	NAPHTHALENE	2/25/2014		Yes	N	U		U	1900	31	ug/kg
CC-C-044-0-2-20140220	480-55087-13	ISOPHORONE	2/25/2014		Yes	N	U		U	1900	92	ug/kg
CC-C-044-0-2-20140220	480-55087-13	INDENO(1,2,3-C,D)PYRENE	2/25/2014		Yes	N	U		U	1900	51	ug/kg
CC-C-044-0-2-20140220	480-55087-13	HEXACHLOROETHANE	2/25/2014		Yes	N	U		U	1900	140	ug/kg
CC-C-044-0-2-20140220	480-55087-13	HEXACHLOROCYCLOPENTADIENE	2/25/2014		Yes	N	U		U	1900	560	ug/kg
CC-C-044-0-2-20140220	480-55087-13	PENTACHLOROPHENOL	2/25/2014		Yes	N	U		U	3600	630	ug/kg
CC-C-044-0-2-20140220	480-55087-13	2,6-DINITROTOLUENE	2/25/2014		Yes	N	U		U	1900	450	ug/kg
CC-C-044-0-2-20140220	480-55087-13	3-NITROANILINE	2/25/2014		Yes	N	U		U	3600	430	ug/kg
CC-C-044-0-2-20140220	480-55087-13	3,3'-DICHLOROBENZIDINE	2/25/2014		Yes	N	U		U	1900	1600	ug/kg
CC-C-044-0-2-20140220	480-55087-13	2-NITROPHENOL	2/25/2014		Yes	N	U		U	1900	85	ug/kg
CC-C-044-0-2-20140220	480-55087-13	2-NITROANILINE	2/25/2014		Yes	N	U		U	3600	590	ug/kg
CC-C-044-0-2-20140220	480-55087-13	2-METHYLPHENOL (O-CRESOL)	2/25/2014		Yes	N	U		U	1900	57	ug/kg
CC-C-044-0-2-20140220	480-55087-13	2-METHYLNAPHTHALENE	2/25/2014		Yes	N	U		U	1900	22	ug/kg
CC-C-044-0-2-20140220	480-55087-13	4,6-DINITRO-2-METHYLPHENOL	2/25/2014		Yes	N	U		U	3600	640	ug/kg
CC-C-044-0-2-20140220	480-55087-13	2-CHLORONAPHTHALENE	2/25/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-044-0-2-20140220	480-55087-13	2,4-DIMETHYLPHENOL	2/25/2014		Yes	N	U		U	1900	500	ug/kg
CC-C-044-0-2-20140220	480-55087-13	2,4-DINITROTOLUENE	2/25/2014		Yes	N	U		U	1900	290	ug/kg
CC-C-044-0-2-20140220	480-55087-13	2,4-DINITROPHENOL	2/25/2014		Yes	N	U		U	3600	650	ug/kg
CC-C-044-0-2-20140220	480-55087-13	BENZO(B)FLUORANTHENE	2/25/2014	730	Yes	Y	J		J	1900	36	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-044-0-2-20140220	480-55087-13	2,4-DICHLOROPHENOL	2/25/2014		Yes	N	U		U	1900	97	ug/kg
CC-C-044-0-2-20140220	480-55087-13	DI-N-OCTYLPHTHALATE	2/25/2014		Yes	N	U		U	1900	43	ug/kg
CC-C-044-0-2-20140220	480-55087-13	2,4,6-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-044-0-2-20140220	480-55087-13	2-CHLOROPHENOL	2/25/2014		Yes	N	U		U	1900	94	ug/kg
CC-C-044-0-2-20140220	480-55087-13	ATRAZINE	2/25/2014		Yes	N	U		U	1900	82	ug/kg
CC-C-044-0-2-20140220	480-55087-13	BENZO(A)PYRENE	2/25/2014	710	Yes	Y	J		J	1900	45	ug/kg
CC-C-044-0-2-20140220	480-55087-13	BENZALDEHYDE	2/25/2014		Yes	N	U		U	1900	200	ug/kg
CC-C-044-0-2-20140220	480-55087-13	ANTHRACENE	2/25/2014	160	Yes	Y	J		J	1900	47	ug/kg
CC-C-044-0-2-20140220	480-55087-13	ACETOPHENONE	2/25/2014		Yes	N	U		U	1900	95	ug/kg
CC-C-044-0-2-20140220	480-55087-13	ACENAPHTHYLENE	2/25/2014		Yes	N	U		U	1900	15	ug/kg
CC-C-044-0-2-20140220	480-55087-13	ACENAPHTHENE	2/25/2014	38	Yes	Y	J		J	1900	22	ug/kg
CC-C-044-0-2-20140220	480-55087-13	4-NITROPHENOL	2/25/2014		Yes	N	U		U	3600	450	ug/kg
CC-C-044-0-2-20140220	480-55087-13	4-METHYLPHENOL (P-CRESOL)	2/25/2014		Yes	N	U		U	3600	100	ug/kg
CC-C-044-0-2-20140220	480-55087-13	4-CHLOROPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	1900	39	ug/kg
CC-C-044-0-2-20140220	480-55087-13	4-CHLOROANILINE	2/25/2014		Yes	N	U		U	1900	540	ug/kg
CC-C-044-0-2-20140220	480-55087-13	4-CHLORO-3-METHYLPHENOL	2/25/2014		Yes	N	U		U	1900	76	ug/kg
CC-C-044-0-2-20140220	480-55087-13	4-BROMOPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	1900	590	ug/kg
CC-C-044-0-2-20140220	480-55087-13	4-NITROANILINE	2/25/2014		Yes	N	U		U	3600	210	ug/kg
CC-C-044-0-2-20140220	480-55087-13	BENZO(A)ANTHRACENE	2/25/2014	670	Yes	Y	J		J	1900	32	ug/kg
CC-C-044-4-6-20140220	480-55087-14	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	170	9.4	ug/kg
CC-C-044-4-6-20140220	480-55087-14	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	170	60	ug/kg
CC-C-044-4-6-20140220	480-55087-14	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	170	4.5	ug/kg
CC-C-044-4-6-20140220	480-55087-14	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	170	5.2	ug/kg
CC-C-044-4-6-20140220	480-55087-14	DIBENZOFURAN	2/26/2014		Yes	N	U		U	170	1.8	ug/kg
CC-C-044-4-6-20140220	480-55087-14	DIBENZ(A,H)ANTHRACENE	2/26/2014		Yes	N	U		U	170	2.0	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-044-4-6-20140220	480-55087-14	CHRYSENE	2/26/2014		Yes	N	U		U	170	1.7	ug/kg
CC-C-044-4-6-20140220	480-55087-14	CARBAZOLE	2/26/2014		Yes	N	U		U	170	2.0	ug/kg
CC-C-044-4-6-20140220	480-55087-14	CAPROLACTAM	2/26/2014		Yes	N	U		U	170	75	ug/kg
CC-C-044-4-6-20140220	480-55087-14	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014		Yes	N	U		U	170	56	ug/kg
CC-C-044-4-6-20140220	480-55087-14	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	170	15	ug/kg
CC-C-044-4-6-20140220	480-55087-14	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U		U	170	4.0	ug/kg
CC-C-044-4-6-20140220	480-55087-14	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	170	46	ug/kg
CC-C-044-4-6-20140220	480-55087-14	NAPHTHALENE	2/26/2014		Yes	N	U		U	170	2.9	ug/kg
CC-C-044-4-6-20140220	480-55087-14	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	170	11	ug/kg
CC-C-044-4-6-20140220	480-55087-14	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	170	18	ug/kg
CC-C-044-4-6-20140220	480-55087-14	ISOPHORONE	2/26/2014		Yes	N	U		U	170	8.6	ug/kg
CC-C-044-4-6-20140220	480-55087-14	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	170	38	ug/kg
CC-C-044-4-6-20140220	480-55087-14	PYRENE	2/26/2014		Yes	N	U		U	170	1.1	ug/kg
CC-C-044-4-6-20140220	480-55087-14	PHENANTHRENE	2/26/2014		Yes	N	U		U	170	3.6	ug/kg
CC-C-044-4-6-20140220	480-55087-14	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	340	59	ug/kg
CC-C-044-4-6-20140220	480-55087-14	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	170	9.4	ug/kg
CC-C-044-4-6-20140220	480-55087-14	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		U	170	14	ug/kg
CC-C-044-4-6-20140220	480-55087-14	INDENO(1,2,3-C,D)PYRENE	2/26/2014		Yes	N	U		U	170	4.8	ug/kg
CC-C-044-4-6-20140220	480-55087-14	BENZO(K)FLUORANTHENE	2/26/2014		Yes	N	U		U	170	1.9	ug/kg
CC-C-044-4-6-20140220	480-55087-14	FLUORANTHENE	2/26/2014		Yes	N	U		U	170	2.5	ug/kg
CC-C-044-4-6-20140220	480-55087-14	PHENOL	2/26/2014		Yes	N	U		U	170	18	ug/kg
CC-C-044-4-6-20140220	480-55087-14	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	170	13	ug/kg
CC-C-044-4-6-20140220	480-55087-14	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U		U	170	52	ug/kg
CC-C-044-4-6-20140220	480-55087-14	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	170	8.8	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-044-4-6-20140220	480-55087-14	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	170	8.6	ug/kg
CC-C-044-4-6-20140220	480-55087-14	FLUORENE	2/26/2014		Yes	N	U		U	170	4.0	ug/kg
CC-C-044-4-6-20140220	480-55087-14	NITROBENZENE	2/26/2014		Yes	N	U		U	170	7.6	ug/kg
CC-C-044-4-6-20140220	480-55087-14	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	170	8.8	ug/kg
CC-C-044-4-6-20140220	480-55087-14	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	340	60	ug/kg
CC-C-044-4-6-20140220	480-55087-14	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	170	9.0	ug/kg
CC-C-044-4-6-20140220	480-55087-14	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U		U	170	150	ug/kg
CC-C-044-4-6-20140220	480-55087-14	2-NITROPHENOL	2/26/2014		Yes	N	U		U	170	7.9	ug/kg
CC-C-044-4-6-20140220	480-55087-14	2-NITROANILINE	2/26/2014		Yes	N	U		U	340	55	ug/kg
CC-C-044-4-6-20140220	480-55087-14	BENZO(G,H,I)PERYLENE	2/26/2014		Yes	N	U		U	170	2.1	ug/kg
CC-C-044-4-6-20140220	480-55087-14	2-METHYLNAPHTHALENE	2/26/2014		Yes	N	U		U	170	2.1	ug/kg
CC-C-044-4-6-20140220	480-55087-14	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	170	55	ug/kg
CC-C-044-4-6-20140220	480-55087-14	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		U	170	12	ug/kg
CC-C-044-4-6-20140220	480-55087-14	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		U	170	42	ug/kg
CC-C-044-4-6-20140220	480-55087-14	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	170	27	ug/kg
CC-C-044-4-6-20140220	480-55087-14	2,4-DINITROPHENOL	2/26/2014		Yes	N	U		U	340	60	ug/kg
CC-C-044-4-6-20140220	480-55087-14	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	170	47	ug/kg
CC-C-044-4-6-20140220	480-55087-14	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	170	11	ug/kg
CC-C-044-4-6-20140220	480-55087-14	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U	170	5.3	ug/kg
CC-C-044-4-6-20140220	480-55087-14	ACETOPHENONE	2/26/2014		Yes	N	U		U	170	8.8	ug/kg
CC-C-044-4-6-20140220	480-55087-14	BENZO(B)FLUORANTHENE	2/26/2014		Yes	N	U		U	170	3.3	ug/kg
CC-C-044-4-6-20140220	480-55087-14	BENZO(A)PYRENE	2/26/2014		Yes	N	U		U	170	4.2	ug/kg
CC-C-044-4-6-20140220	480-55087-14	BENZO(A)ANTHRACENE	2/26/2014		Yes	N	U		U	170	3.0	ug/kg
CC-C-044-4-6-20140220	480-55087-14	BENZALDEHYDE	2/26/2014		Yes	N	U		U	170	19	ug/kg
CC-C-044-4-6-20140220	480-55087-14	ATRAZINE	2/26/2014		Yes	N	U		U	170	7.7	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-044-4-6-20140220	480-55087-14	3-NITROANILINE	2/26/2014		Yes	N	U		U	340	40	ug/kg
CC-C-044-4-6-20140220	480-55087-14	ANTHRACENE	2/26/2014		Yes	N	U		U	170	4.4	ug/kg
CC-C-044-4-6-20140220	480-55087-14	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		U	170	7.1	ug/kg
CC-C-044-4-6-20140220	480-55087-14	ACENAPHTHYLENE	2/26/2014		Yes	N	U		U	170	1.4	ug/kg
CC-C-044-4-6-20140220	480-55087-14	ACENAPHTHENE	2/26/2014		Yes	N	U		U	170	2.0	ug/kg
CC-C-044-4-6-20140220	480-55087-14	4-NITROPHENOL	2/26/2014		Yes	N	U		U	340	42	ug/kg
CC-C-044-4-6-20140220	480-55087-14	4-NITROANILINE	2/26/2014		Yes	N	U		U	340	19	ug/kg
CC-C-044-4-6-20140220	480-55087-14	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		U	340	9.6	ug/kg
CC-C-044-4-6-20140220	480-55087-14	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	170	3.7	ug/kg
CC-C-044-4-6-20140220	480-55087-14	4-CHLOROANILINE	2/26/2014		Yes	N	U		U	170	51	ug/kg
CC-C-044-8-10-20140220	480-55087-16	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U	UJ	UJ	180	160	ug/kg
CC-C-044-8-10-20140220	480-55087-16	2-NITROPHENOL	2/26/2014		Yes	N	U		U	180	8.3	ug/kg
CC-C-044-8-10-20140220	480-55087-16	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	180	14	ug/kg
CC-C-044-8-10-20140220	480-55087-16	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	180	11	ug/kg
CC-C-044-8-10-20140220	480-55087-16	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	180	9.9	ug/kg
CC-C-044-8-10-20140220	480-55087-16	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	180	16	ug/kg
CC-C-044-8-10-20140220	480-55087-16	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	180	19	ug/kg
CC-C-044-8-10-20140220	480-55087-16	CAPROLACTAM	2/26/2014		Yes	N	U		U	180	79	ug/kg
CC-C-044-8-10-20140220	480-55087-16	CARBAZOLE	2/26/2014		Yes	N	U		U	180	2.1	ug/kg
CC-C-044-8-10-20140220	480-55087-16	BENZALDEHYDE	2/26/2014		Yes	N	U	R	R	180	20	ug/kg
CC-C-044-8-10-20140220	480-55087-16	DIBENZ(A,H)ANTHRACENE	2/26/2014		Yes	N	U		U	180	2.1	ug/kg
CC-C-044-8-10-20140220	480-55087-16	DIBENZOFURAN	2/26/2014		Yes	N	U		U	180	1.9	ug/kg
CC-C-044-8-10-20140220	480-55087-16	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	180	5.5	ug/kg
CC-C-044-8-10-20140220	480-55087-16	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	180	4.8	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-044-8-10-20140220	480-55087-16	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	180	63	ug/kg
CC-C-044-8-10-20140220	480-55087-16	BENZO(A)ANTHRACENE	2/26/2014		Yes	N	U	UJ	UJ	180	3.2	ug/kg
CC-C-044-8-10-20140220	480-55087-16	BENZO(K)FLUORANTHENE	2/26/2014		Yes	N	U		U	180	2.0	ug/kg
CC-C-044-8-10-20140220	480-55087-16	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	180	10	ug/kg
CC-C-044-8-10-20140220	480-55087-16	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U	UJ	UJ	180	55	ug/kg
CC-C-044-8-10-20140220	480-55087-16	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014		Yes	N	U	UJ	UJ	180	59	ug/kg
CC-C-044-8-10-20140220	480-55087-16	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U	UJ	UJ	180	49	ug/kg
CC-C-044-8-10-20140220	480-55087-16	PYRENE	2/26/2014		Yes	N	U		U	180	1.2	ug/kg
CC-C-044-8-10-20140220	480-55087-16	PHENOL	2/26/2014		Yes	N	U		U	180	19	ug/kg
CC-C-044-8-10-20140220	480-55087-16	FLUORENE	2/26/2014		Yes	N	U		U	180	4.2	ug/kg
CC-C-044-8-10-20140220	480-55087-16	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	360	63	ug/kg
CC-C-044-8-10-20140220	480-55087-16	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	180	9.3	ug/kg
CC-C-044-8-10-20140220	480-55087-16	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		U	180	14	ug/kg
CC-C-044-8-10-20140220	480-55087-16	NITROBENZENE	2/26/2014		Yes	N	U		U	180	8.1	ug/kg
CC-C-044-8-10-20140220	480-55087-16	NAPHTHALENE	2/26/2014		Yes	N	U		U	180	3.0	ug/kg
CC-C-044-8-10-20140220	480-55087-16	ISOPHORONE	2/26/2014		Yes	N	U		U	180	9.1	ug/kg
CC-C-044-8-10-20140220	480-55087-16	INDENO(1,2,3-C,D)PYRENE	2/26/2014		Yes	N	U		U	180	5.1	ug/kg
CC-C-044-8-10-20140220	480-55087-16	FLUORANTHENE	2/26/2014		Yes	N	U		U	180	2.6	ug/kg
CC-C-044-8-10-20140220	480-55087-16	PHENANTHRENE	2/26/2014		Yes	N	U		U	180	3.8	ug/kg
CC-C-044-8-10-20140220	480-55087-16	2,4-DINITROPHENOL	2/26/2014		Yes	N	U		U	360	64	ug/kg
CC-C-044-8-10-20140220	480-55087-16	4-NITROPHENOL	2/26/2014		Yes	N	U	UJ	UJ	360	44	ug/kg
CC-C-044-8-10-20140220	480-55087-16	2-NITROANILINE	2/26/2014		Yes	N	U		U	360	59	ug/kg
CC-C-044-8-10-20140220	480-55087-16	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U	180	5.6	ug/kg
CC-C-044-8-10-20140220	480-55087-16	2-METHYLNAPHTHALENE	2/26/2014		Yes	N	U		U	180	2.2	ug/kg
CC-C-044-8-10-20140220	480-55087-16	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	180	9.3	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-044-8-10-20140220	480-55087-16	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		U	180	12	ug/kg
CC-C-044-8-10-20140220	480-55087-16	3-NITROANILINE	2/26/2014		Yes	N	U		U	360	42	ug/kg
CC-C-044-8-10-20140220	480-55087-16	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	180	28	ug/kg
CC-C-044-8-10-20140220	480-55087-16	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	180	40	ug/kg
CC-C-044-8-10-20140220	480-55087-16	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	180	49	ug/kg
CC-C-044-8-10-20140220	480-55087-16	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	180	9.6	ug/kg
CC-C-044-8-10-20140220	480-55087-16	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	180	12	ug/kg
CC-C-044-8-10-20140220	480-55087-16	BENZO(G,H,I)PERYLENE	2/26/2014		Yes	N	U		U	180	2.2	ug/kg
CC-C-044-8-10-20140220	480-55087-16	CHRYSENE	2/26/2014		Yes	N	U	UJ	UJ	180	1.8	ug/kg
CC-C-044-8-10-20140220	480-55087-16	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	180	9.1	ug/kg
CC-C-044-8-10-20140220	480-55087-16	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		U	180	45	ug/kg
CC-C-044-8-10-20140220	480-55087-16	ATRAZINE	2/26/2014		Yes	N	U		U	180	8.1	ug/kg
CC-C-044-8-10-20140220	480-55087-16	BENZO(A)PYRENE	2/26/2014		Yes	N	U		U	180	4.4	ug/kg
CC-C-044-8-10-20140220	480-55087-16	ANTHRACENE	2/26/2014		Yes	N	U		U	180	4.7	ug/kg
CC-C-044-8-10-20140220	480-55087-16	ACETOPHENONE	2/26/2014		Yes	N	U		U	180	9.4	ug/kg
CC-C-044-8-10-20140220	480-55087-16	ACENAPHTHYLENE	2/26/2014		Yes	N	U		U	180	1.5	ug/kg
CC-C-044-8-10-20140220	480-55087-16	ACENAPHTHENE	2/26/2014		Yes	N	U		U	180	2.1	ug/kg
CC-C-044-8-10-20140220	480-55087-16	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U	UJ	UJ	180	4.3	ug/kg
CC-C-044-8-10-20140220	480-55087-16	4-NITROANILINE	2/26/2014		Yes	N	U		U	360	20	ug/kg
CC-C-044-8-10-20140220	480-55087-16	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	180	3.9	ug/kg
CC-C-044-8-10-20140220	480-55087-16	4-CHLOROANILINE	2/26/2014		Yes	N	U		U	180	54	ug/kg
CC-C-044-8-10-20140220	480-55087-16	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		U	180	7.5	ug/kg
CC-C-044-8-10-20140220	480-55087-16	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	180	58	ug/kg
CC-C-044-8-10-20140220	480-55087-16	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	360	63	ug/kg
CC-C-044-8-10-20140220	480-55087-16	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		U	360	10	ug/kg

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Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-044-8-10-20140220	480-55087-16	BENZO(B)FLUORANTHENE	2/26/2014		Yes	N	U		U	180	3.5	ug/kg
CC-C-045-0-2-20140220	480-55087-18	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	190	16	ug/kg
CC-C-045-0-2-20140220	480-55087-18	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U		U	190	4.3	ug/kg
CC-C-045-0-2-20140220	480-55087-18	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	190	64	ug/kg
CC-C-045-0-2-20140220	480-55087-18	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	190	4.8	ug/kg
CC-C-045-0-2-20140220	480-55087-18	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	190	5.6	ug/kg
CC-C-045-0-2-20140220	480-55087-18	DIBENZOFURAN	2/26/2014	14	Yes	Y	J		J	190	1.9	ug/kg
CC-C-045-0-2-20140220	480-55087-18	DIBENZ(A,H)ANTHRACENE	2/26/2014	66	Yes	Y	J		J	190	2.2	ug/kg
CC-C-045-0-2-20140220	480-55087-18	CHRYSENE	2/26/2014	420	Yes	Y				190	1.8	ug/kg
CC-C-045-0-2-20140220	480-55087-18	CARBAZOLE	2/26/2014	31	Yes	Y	J		J	190	2.1	ug/kg
CC-C-045-0-2-20140220	480-55087-18	CAPROLACTAM	2/26/2014		Yes	N	U		U	190	80	ug/kg
CC-C-045-0-2-20140220	480-55087-18	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	190	19	ug/kg
CC-C-045-0-2-20140220	480-55087-18	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	190	10	ug/kg
CC-C-045-0-2-20140220	480-55087-18	FLUORANTHENE	2/26/2014	470	Yes	Y				190	2.7	ug/kg
CC-C-045-0-2-20140220	480-55087-18	NITROBENZENE	2/26/2014		Yes	N	U		U	190	8.1	ug/kg
CC-C-045-0-2-20140220	480-55087-18	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	190	11	ug/kg
CC-C-045-0-2-20140220	480-55087-18	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014		Yes	N	U		U	190	59	ug/kg
CC-C-045-0-2-20140220	480-55087-18	NAPHTHALENE	2/26/2014	16	Yes	Y	J		J	190	3.1	ug/kg
CC-C-045-0-2-20140220	480-55087-18	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		U	190	7.6	ug/kg
CC-C-045-0-2-20140220	480-55087-18	PHENOL	2/26/2014		Yes	N	U		U	190	19	ug/kg
CC-C-045-0-2-20140220	480-55087-18	PHENANTHRENE	2/26/2014	320	Yes	Y				190	3.9	ug/kg
CC-C-045-0-2-20140220	480-55087-18	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	360	63	ug/kg
CC-C-045-0-2-20140220	480-55087-18	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	190	10	ug/kg
CC-C-045-0-2-20140220	480-55087-18	ISOPHORONE	2/26/2014		Yes	N	U		U	190	9.2	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-045-0-2-20140220	480-55087-18	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	190	49	ug/kg
CC-C-045-0-2-20140220	480-55087-18	FLUORENE	2/26/2014	23	Yes	Y	J		J	190	4.2	ug/kg
CC-C-045-0-2-20140220	480-55087-18	PYRENE	2/26/2014	660	Yes	Y				190	1.2	ug/kg
CC-C-045-0-2-20140220	480-55087-18	INDENO(1,2,3-C,D)PYRENE	2/26/2014	240	Yes	Y				190	5.1	ug/kg
CC-C-045-0-2-20140220	480-55087-18	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	190	14	ug/kg
CC-C-045-0-2-20140220	480-55087-18	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U		U	190	56	ug/kg
CC-C-045-0-2-20140220	480-55087-18	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	190	9.4	ug/kg
CC-C-045-0-2-20140220	480-55087-18	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	190	9.1	ug/kg
CC-C-045-0-2-20140220	480-55087-18	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		U	190	15	ug/kg
CC-C-045-0-2-20140220	480-55087-18	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		U	190	45	ug/kg
CC-C-045-0-2-20140220	480-55087-18	3-NITROANILINE	2/26/2014		Yes	N	U		U	360	42	ug/kg
CC-C-045-0-2-20140220	480-55087-18	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U		U	190	160	ug/kg
CC-C-045-0-2-20140220	480-55087-18	2-NITROPHENOL	2/26/2014		Yes	N	U		U	190	8.4	ug/kg
CC-C-045-0-2-20140220	480-55087-18	2-NITROANILINE	2/26/2014		Yes	N	U		U	360	59	ug/kg
CC-C-045-0-2-20140220	480-55087-18	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U	190	5.7	ug/kg
CC-C-045-0-2-20140220	480-55087-18	2-METHYLNAPHTHALENE	2/26/2014	8.7	Yes	Y	J		J	190	2.2	ug/kg
CC-C-045-0-2-20140220	480-55087-18	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	360	63	ug/kg
CC-C-045-0-2-20140220	480-55087-18	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		U	190	12	ug/kg
CC-C-045-0-2-20140220	480-55087-18	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	190	9.6	ug/kg
CC-C-045-0-2-20140220	480-55087-18	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	190	28	ug/kg
CC-C-045-0-2-20140220	480-55087-18	2,4-DINITROPHENOL	2/26/2014		Yes	N	U		U	360	64	ug/kg
CC-C-045-0-2-20140220	480-55087-18	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	190	50	ug/kg
CC-C-045-0-2-20140220	480-55087-18	BENZO(K)FLUORANTHENE	2/26/2014	180	Yes	Y	J		J	190	2.0	ug/kg
CC-C-045-0-2-20140220	480-55087-18	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	190	12	ug/kg
CC-C-045-0-2-20140220	480-55087-18	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	190	3.9	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-045-0-2-20140220	480-55087-18	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	190	9.4	ug/kg
CC-C-045-0-2-20140220	480-55087-18	BENZO(A)PYRENE	2/26/2014	350	Yes	Y				190	4.4	ug/kg
CC-C-045-0-2-20140220	480-55087-18	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	190	40	ug/kg
CC-C-045-0-2-20140220	480-55087-18	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	190	58	ug/kg
CC-C-045-0-2-20140220	480-55087-18	BENZO(B)FLUORANTHENE	2/26/2014	490	Yes	Y				190	3.6	ug/kg
CC-C-045-0-2-20140220	480-55087-18	BENZO(A)ANTHRACENE	2/26/2014	330	Yes	Y				190	3.2	ug/kg
CC-C-045-0-2-20140220	480-55087-18	BENZALDEHYDE	2/26/2014		Yes	N	U		U	190	20	ug/kg
CC-C-045-0-2-20140220	480-55087-18	ATRAZINE	2/26/2014		Yes	N	U		U	190	8.2	ug/kg
CC-C-045-0-2-20140220	480-55087-18	ANTHRACENE	2/26/2014	78	Yes	Y	J		J	190	4.7	ug/kg
CC-C-045-0-2-20140220	480-55087-18	ACETOPHENONE	2/26/2014		Yes	N	U		U	190	9.4	ug/kg
CC-C-045-0-2-20140220	480-55087-18	ACENAPHTHENE	2/26/2014	26	Yes	Y	J		J	190	2.2	ug/kg
CC-C-045-0-2-20140220	480-55087-18	4-NITROPHENOL	2/26/2014		Yes	N	U		U	360	45	ug/kg
CC-C-045-0-2-20140220	480-55087-18	4-NITROANILINE	2/26/2014		Yes	N	U		U	360	21	ug/kg
CC-C-045-0-2-20140220	480-55087-18	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		U	360	10	ug/kg
CC-C-045-0-2-20140220	480-55087-18	ACENAPHTHYLENE	2/26/2014	32	Yes	Y	J		J	190	1.5	ug/kg
CC-C-045-0-2-20140220	480-55087-18	BENZO(G,H,I)PERYLENE	2/26/2014	220	Yes	Y				190	2.2	ug/kg
CC-C-045-0-2-20140220	480-55087-18	4-CHLOROANILINE	2/26/2014		Yes	N	U		U	190	54	ug/kg
CC-C-045-4-6-20140220	480-55087-19	CARBAZOLE	2/26/2014	330	Yes	Y	J		J	1900	21	ug/kg
CC-C-045-4-6-20140220	480-55087-19	CHRYSENE	2/26/2014	13000	Yes	Y		J	J	1900	18	ug/kg
CC-C-045-4-6-20140220	480-55087-19	FLUORANTHENE	2/26/2014	24000	Yes	Y				1900	27	ug/kg
CC-C-045-4-6-20140220	480-55087-19	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	1900	640	ug/kg
CC-C-045-4-6-20140220	480-55087-19	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	1900	48	ug/kg
CC-C-045-4-6-20140220	480-55087-19	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	1900	56	ug/kg
CC-C-045-4-6-20140220	480-55087-19	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	1900	160	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-045-4-6-20140220	480-55087-19	DIBENZOFURAN	2/26/2014	870	Yes	Y	J		J	1900	19	ug/kg
CC-C-045-4-6-20140220	480-55087-19	2,4-DINITROPHENOL	2/26/2014		Yes	N	U	UJ	UJ	3600	640	ug/kg
CC-C-045-4-6-20140220	480-55087-19	BENZYL BUTYL PHTHALATE	2/26/2014	11000	Yes	Y		J	J	1900	490	ug/kg
CC-C-045-4-6-20140220	480-55087-19	CAPROLACTAM	2/26/2014		Yes	N	U		U	1900	800	ug/kg
CC-C-045-4-6-20140220	480-55087-19	FLUORENE	2/26/2014	2600	Yes	Y				1900	42	ug/kg
CC-C-045-4-6-20140220	480-55087-19	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	1900	190	ug/kg
CC-C-045-4-6-20140220	480-55087-19	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		U	1900	150	ug/kg
CC-C-045-4-6-20140220	480-55087-19	DIBENZ(A,H)ANTHRACENE	2/26/2014	1700	Yes	Y	J		J	1900	22	ug/kg
CC-C-045-4-6-20140220	480-55087-19	NITROBENZENE	2/26/2014		Yes	N	U		U	1900	82	ug/kg
CC-C-045-4-6-20140220	480-55087-19	4-CHLOROANILINE	2/26/2014		Yes	N	U		U	1900	540	ug/kg
CC-C-045-4-6-20140220	480-55087-19	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	1900	100	ug/kg
CC-C-045-4-6-20140220	480-55087-19	PYRENE	2/26/2014	26000	Yes	Y				1900	12	ug/kg
CC-C-045-4-6-20140220	480-55087-19	PHENOL	2/26/2014		Yes	N	U		U	1900	190	ug/kg
CC-C-045-4-6-20140220	480-55087-19	PHENANTHRENE	2/26/2014	16000	Yes	Y				1900	39	ug/kg
CC-C-045-4-6-20140220	480-55087-19	NAPHTHALENE	2/26/2014	64	Yes	Y	J		J	1900	31	ug/kg
CC-C-045-4-6-20140220	480-55087-19	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	1900	100	ug/kg
CC-C-045-4-6-20140220	480-55087-19	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	1900	92	ug/kg
CC-C-045-4-6-20140220	480-55087-19	ISOPHORONE	2/26/2014		Yes	N	U		U	1900	92	ug/kg
CC-C-045-4-6-20140220	480-55087-19	INDENO(1,2,3-C,D)PYRENE	2/26/2014	6600	Yes	Y				1900	51	ug/kg
CC-C-045-4-6-20140220	480-55087-19	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	1900	140	ug/kg
CC-C-045-4-6-20140220	480-55087-19	BENZO(A)ANTHRACENE	2/26/2014	14000	Yes	Y		J	J	1900	32	ug/kg
CC-C-045-4-6-20140220	480-55087-19	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U		U	1900	560	ug/kg
CC-C-045-4-6-20140220	480-55087-19	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	1900	94	ug/kg
CC-C-045-4-6-20140220	480-55087-19	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	3600	630	ug/kg
CC-C-045-4-6-20140220	480-55087-19	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		U	1900	450	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-045-4-6-20140220	480-55087-19	3-NITROANILINE	2/26/2014		Yes	N	U		U	3600	420	ug/kg
CC-C-045-4-6-20140220	480-55087-19	2-NITROPHENOL	2/26/2014		Yes	N	U		U	1900	84	ug/kg
CC-C-045-4-6-20140220	480-55087-19	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U	UJ	UJ	1900	1600	ug/kg
CC-C-045-4-6-20140220	480-55087-19	2-NITROANILINE	2/26/2014		Yes	N	U		U	3600	590	ug/kg
CC-C-045-4-6-20140220	480-55087-19	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U	1900	57	ug/kg
CC-C-045-4-6-20140220	480-55087-19	2-METHYLNAPHTHALENE	2/26/2014	120	Yes	Y	J		J	1900	22	ug/kg
CC-C-045-4-6-20140220	480-55087-19	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	3600	640	ug/kg
CC-C-045-4-6-20140220	480-55087-19	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-045-4-6-20140220	480-55087-19	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-045-4-6-20140220	480-55087-19	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	1900	290	ug/kg
CC-C-045-4-6-20140220	480-55087-19	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	1900	500	ug/kg
CC-C-045-4-6-20140220	480-55087-19	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	1900	400	ug/kg
CC-C-045-4-6-20140220	480-55087-19	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	1900	97	ug/kg
CC-C-045-4-6-20140220	480-55087-19	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	1900	110	ug/kg
CC-C-045-4-6-20140220	480-55087-19	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		U	3600	100	ug/kg
CC-C-045-4-6-20140220	480-55087-19	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	1900	94	ug/kg
CC-C-045-4-6-20140220	480-55087-19	BENZO(B)FLUORANTHENE	2/26/2014	14000	Yes	Y				1900	36	ug/kg
CC-C-045-4-6-20140220	480-55087-19	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	1900	590	ug/kg
CC-C-045-4-6-20140220	480-55087-19	BENZO(K)FLUORANTHENE	2/26/2014	5300	Yes	Y				1900	20	ug/kg
CC-C-045-4-6-20140220	480-55087-19	BENZO(G,H,I)PERYLENE	2/26/2014	4900	Yes	Y				1900	22	ug/kg
CC-C-045-4-6-20140220	480-55087-19	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014	740	Yes	Y	J	J	J	1900	590	ug/kg
CC-C-045-4-6-20140220	480-55087-19	BENZO(A)PYRENE	2/26/2014	11000	Yes	Y				1900	44	ug/kg
CC-C-045-4-6-20140220	480-55087-19	ATRAZINE	2/26/2014		Yes	N	U		U	1900	82	ug/kg
CC-C-045-4-6-20140220	480-55087-19	ANTHRACENE	2/26/2014	5100	Yes	Y				1900	47	ug/kg
CC-C-045-4-6-20140220	480-55087-19	ACETOPHENONE	2/26/2014		Yes	N	U		U	1900	95	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-045-4-6-20140220	480-55087-19	ACENAPHTHENE	2/26/2014	430	Yes	Y	J		J	1900	22	ug/kg
CC-C-045-4-6-20140220	480-55087-19	4-NITROANILINE	2/26/2014		Yes	N	U		U	3600	210	ug/kg
CC-C-045-4-6-20140220	480-55087-19	BENZALDEHYDE	2/26/2014		Yes	N	U	R	R	1900	200	ug/kg
CC-C-045-4-6-20140220	480-55087-19	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	1900	39	ug/kg
CC-C-045-4-6-20140220	480-55087-19	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U	UJ	UJ	1900	43	ug/kg
CC-C-045-4-6-20140220	480-55087-19	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		U	1900	76	ug/kg
CC-C-045-4-6-20140220	480-55087-19	ACENAPHTHYLENE	2/26/2014	3100	Yes	Y				1900	15	ug/kg
CC-C-045-4-6-20140220	480-55087-19	4-NITROPHENOL	2/26/2014		Yes	N	U	UJ	UJ	3600	450	ug/kg
CC-C-045-8-10-20140220	480-55087-21	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	180	19	ug/kg
CC-C-045-8-10-20140220	480-55087-21	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	180	63	ug/kg
CC-C-045-8-10-20140220	480-55087-21	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	180	4.8	ug/kg
CC-C-045-8-10-20140220	480-55087-21	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	180	5.5	ug/kg
CC-C-045-8-10-20140220	480-55087-21	DIBENZOFURAN	2/26/2014	37	Yes	Y	J		J	180	1.9	ug/kg
CC-C-045-8-10-20140220	480-55087-21	DIBENZ(A,H)ANTHRACENE	2/26/2014	84	Yes	Y	J		J	180	2.1	ug/kg
CC-C-045-8-10-20140220	480-55087-21	CHRYSENE	2/26/2014	620	Yes	Y				180	1.8	ug/kg
CC-C-045-8-10-20140220	480-55087-21	CARBAZOLE	2/26/2014	62	Yes	Y	J		J	180	2.1	ug/kg
CC-C-045-8-10-20140220	480-55087-21	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	180	11	ug/kg
CC-C-045-8-10-20140220	480-55087-21	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014		Yes	N	U		U	180	59	ug/kg
CC-C-045-8-10-20140220	480-55087-21	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	180	16	ug/kg
CC-C-045-8-10-20140220	480-55087-21	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U		U	180	4.3	ug/kg
CC-C-045-8-10-20140220	480-55087-21	NITROBENZENE	2/26/2014		Yes	N	U		U	180	8.1	ug/kg
CC-C-045-8-10-20140220	480-55087-21	CAPROLACTAM	2/26/2014		Yes	N	U		U	180	79	ug/kg
CC-C-045-8-10-20140220	480-55087-21	PYRENE	2/26/2014	1100	Yes	Y				180	1.2	ug/kg
CC-C-045-8-10-20140220	480-55087-21	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	180	49	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-045-8-10-20140220	480-55087-21	PHENOL	2/26/2014		Yes	N	U		U	180	19	ug/kg
CC-C-045-8-10-20140220	480-55087-21	PHENANTHRENE	2/26/2014	660	Yes	Y				180	3.8	ug/kg
CC-C-045-8-10-20140220	480-55087-21	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	360	62	ug/kg
CC-C-045-8-10-20140220	480-55087-21	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	180	10	ug/kg
CC-C-045-8-10-20140220	480-55087-21	ISOPHORONE	2/26/2014		Yes	N	U		U	180	9.1	ug/kg
CC-C-045-8-10-20140220	480-55087-21	NAPHTHALENE	2/26/2014	24	Yes	Y	J		J	180	3.0	ug/kg
CC-C-045-8-10-20140220	480-55087-21	FLUORANTHENE	2/26/2014	860	Yes	Y				180	2.6	ug/kg
CC-C-045-8-10-20140220	480-55087-21	INDENO(1,2,3-C,D)PYRENE	2/26/2014	490	Yes	Y				180	5.0	ug/kg
CC-C-045-8-10-20140220	480-55087-21	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	180	14	ug/kg
CC-C-045-8-10-20140220	480-55087-21	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U		U	180	55	ug/kg
CC-C-045-8-10-20140220	480-55087-21	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	180	9.3	ug/kg
CC-C-045-8-10-20140220	480-55087-21	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	180	9.1	ug/kg
CC-C-045-8-10-20140220	480-55087-21	FLUORENE	2/26/2014	61	Yes	Y	J		J	180	4.2	ug/kg
CC-C-045-8-10-20140220	480-55087-21	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		U	180	14	ug/kg
CC-C-045-8-10-20140220	480-55087-21	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		U	180	45	ug/kg
CC-C-045-8-10-20140220	480-55087-21	3-NITROANILINE	2/26/2014		Yes	N	U		U	360	42	ug/kg
CC-C-045-8-10-20140220	480-55087-21	3,3'-DICHLOOROBENZIDINE	2/26/2014		Yes	N	U		U	180	160	ug/kg
CC-C-045-8-10-20140220	480-55087-21	2-NITROPHENOL	2/26/2014		Yes	N	U		U	180	8.3	ug/kg
CC-C-045-8-10-20140220	480-55087-21	2-NITROANILINE	2/26/2014		Yes	N	U		U	360	58	ug/kg
CC-C-045-8-10-20140220	480-55087-21	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U	180	5.6	ug/kg
CC-C-045-8-10-20140220	480-55087-21	2-METHYLNAPHTHALENE	2/26/2014	14	Yes	Y	J		J	180	2.2	ug/kg
CC-C-045-8-10-20140220	480-55087-21	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	360	63	ug/kg
CC-C-045-8-10-20140220	480-55087-21	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		U	180	12	ug/kg
CC-C-045-8-10-20140220	480-55087-21	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	180	12	ug/kg
CC-C-045-8-10-20140220	480-55087-21	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	180	28	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-045-8-10-20140220	480-55087-21	2,4-DINITROPHENOL	2/26/2014		Yes	N	U		U	360	64	ug/kg
CC-C-045-8-10-20140220	480-55087-21	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	180	49	ug/kg
CC-C-045-8-10-20140220	480-55087-21	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	180	9.6	ug/kg
CC-C-045-8-10-20140220	480-55087-21	BENZO(K)FLUORANTHENE	2/26/2014	330	Yes	Y				180	2.0	ug/kg
CC-C-045-8-10-20140220	480-55087-21	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	180	40	ug/kg
CC-C-045-8-10-20140220	480-55087-21	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	180	9.9	ug/kg
CC-C-045-8-10-20140220	480-55087-21	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	180	9.3	ug/kg
CC-C-045-8-10-20140220	480-55087-21	BENZO(B)FLUORANTHENE	2/26/2014	760	Yes	Y				180	3.5	ug/kg
CC-C-045-8-10-20140220	480-55087-21	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	180	58	ug/kg
CC-C-045-8-10-20140220	480-55087-21	BENZO(G,H,I)PERYLENE	2/26/2014	420	Yes	Y				180	2.2	ug/kg
CC-C-045-8-10-20140220	480-55087-21	BENZO(A)PYRENE	2/26/2014	650	Yes	Y				180	4.4	ug/kg
CC-C-045-8-10-20140220	480-55087-21	BENZO(A)ANTHRACENE	2/26/2014	660	Yes	Y				180	3.1	ug/kg
CC-C-045-8-10-20140220	480-55087-21	BENZALDEHYDE	2/26/2014		Yes	N	U		U	180	20	ug/kg
CC-C-045-8-10-20140220	480-55087-21	ATRAZINE	2/26/2014		Yes	N	U		U	180	8.1	ug/kg
CC-C-045-8-10-20140220	480-55087-21	ANTHRACENE	2/26/2014	190	Yes	Y				180	4.7	ug/kg
CC-C-045-8-10-20140220	480-55087-21	ACETOPHENONE	2/26/2014		Yes	N	U		U	180	9.3	ug/kg
CC-C-045-8-10-20140220	480-55087-21	4-CHLOROANILINE	2/26/2014		Yes	N	U		U	180	53	ug/kg
CC-C-045-8-10-20140220	480-55087-21	ACENAPHTHENE	2/26/2014	52	Yes	Y	J		J	180	2.1	ug/kg
CC-C-045-8-10-20140220	480-55087-21	4-NITROPHENOL	2/26/2014		Yes	N	U		U	360	44	ug/kg
CC-C-045-8-10-20140220	480-55087-21	4-NITROANILINE	2/26/2014		Yes	N	U		U	360	20	ug/kg
CC-C-045-8-10-20140220	480-55087-21	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		U	360	10	ug/kg
CC-C-045-8-10-20140220	480-55087-21	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	180	3.9	ug/kg
CC-C-045-8-10-20140220	480-55087-21	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		U	180	7.5	ug/kg
CC-C-045-8-10-20140220	480-55087-21	ACENAPHTHYLENE	2/26/2014	68	Yes	Y	J		J	180	1.5	ug/kg
CC-C-046-0-2-20140220	480-55087-25	CHRYSENE	2/26/2014	780	Yes	Y	J		J	950	9.4	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-046-0-2-20140220	480-55087-25	DIBENZ(A,H)ANTHRACENE	2/26/2014		Yes	N	U		U	950	11	ug/kg
CC-C-046-0-2-20140220	480-55087-25	DIBENZOFURAN	2/26/2014		Yes	N	U		U	950	9.8	ug/kg
CC-C-046-0-2-20140220	480-55087-25	CARBAZOLE	2/26/2014		Yes	N	U		U	950	11	ug/kg
CC-C-046-0-2-20140220	480-55087-25	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	950	330	ug/kg
CC-C-046-0-2-20140220	480-55087-25	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	950	98	ug/kg
CC-C-046-0-2-20140220	480-55087-25	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U	UJ	UJ	950	280	ug/kg
CC-C-046-0-2-20140220	480-55087-25	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	950	28	ug/kg
CC-C-046-0-2-20140220	480-55087-25	CAPROLACTAM	2/26/2014		Yes	N	U		U	950	410	ug/kg
CC-C-046-0-2-20140220	480-55087-25	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	950	59	ug/kg
CC-C-046-0-2-20140220	480-55087-25	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	950	250	ug/kg
CC-C-046-0-2-20140220	480-55087-25	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	950	81	ug/kg
CC-C-046-0-2-20140220	480-55087-25	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	950	51	ug/kg
CC-C-046-0-2-20140220	480-55087-25	BENZALDEHYDE	2/26/2014		Yes	N	U	R	R	950	100	ug/kg
CC-C-046-0-2-20140220	480-55087-25	NAPHTHALENE	2/26/2014		Yes	N	U		U	950	16	ug/kg
CC-C-046-0-2-20140220	480-55087-25	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014		Yes	N	U		U	950	300	ug/kg
CC-C-046-0-2-20140220	480-55087-25	PYRENE	2/26/2014	1100	Yes	Y				950	6.1	ug/kg
CC-C-046-0-2-20140220	480-55087-25	PHENOL	2/26/2014		Yes	N	U		U	950	99	ug/kg
CC-C-046-0-2-20140220	480-55087-25	PHENANTHRENE	2/26/2014	610	Yes	Y	J		J	950	20	ug/kg
CC-C-046-0-2-20140220	480-55087-25	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	1800	320	ug/kg
CC-C-046-0-2-20140220	480-55087-25	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	950	51	ug/kg
CC-C-046-0-2-20140220	480-55087-25	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		U	950	75	ug/kg
CC-C-046-0-2-20140220	480-55087-25	INDENO(1,2,3-C,D)PYRENE	2/26/2014	320	Yes	Y	J		J	950	26	ug/kg
CC-C-046-0-2-20140220	480-55087-25	ISOPHORONE	2/26/2014		Yes	N	U		U	950	47	ug/kg
CC-C-046-0-2-20140220	480-55087-25	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U		U	950	22	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-046-0-2-20140220	480-55087-25	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	950	73	ug/kg
CC-C-046-0-2-20140220	480-55087-25	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	950	25	ug/kg
CC-C-046-0-2-20140220	480-55087-25	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	950	48	ug/kg
CC-C-046-0-2-20140220	480-55087-25	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	950	47	ug/kg
CC-C-046-0-2-20140220	480-55087-25	FLUORENE	2/26/2014		Yes	N	U		U	950	22	ug/kg
CC-C-046-0-2-20140220	480-55087-25	FLUORANTHENE	2/26/2014	1500	Yes	Y				950	14	ug/kg
CC-C-046-0-2-20140220	480-55087-25	NITROBENZENE	2/26/2014		Yes	N	U		U	950	42	ug/kg
CC-C-046-0-2-20140220	480-55087-25	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		U	950	63	ug/kg
CC-C-046-0-2-20140220	480-55087-25	4-CHLOROANILINE	2/26/2014		Yes	N	U		U	950	280	ug/kg
CC-C-046-0-2-20140220	480-55087-25	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		U	950	39	ug/kg
CC-C-046-0-2-20140220	480-55087-25	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	950	300	ug/kg
CC-C-046-0-2-20140220	480-55087-25	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	1800	330	ug/kg
CC-C-046-0-2-20140220	480-55087-25	3-NITROANILINE	2/26/2014		Yes	N	U		U	1800	220	ug/kg
CC-C-046-0-2-20140220	480-55087-25	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U		U	950	830	ug/kg
CC-C-046-0-2-20140220	480-55087-25	2-NITROANILINE	2/26/2014		Yes	N	U		U	1800	300	ug/kg
CC-C-046-0-2-20140220	480-55087-25	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	950	20	ug/kg
CC-C-046-0-2-20140220	480-55087-25	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	950	48	ug/kg
CC-C-046-0-2-20140220	480-55087-25	2-NITROPHENOL	2/26/2014		Yes	N	U		U	950	43	ug/kg
CC-C-046-0-2-20140220	480-55087-25	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		U	950	230	ug/kg
CC-C-046-0-2-20140220	480-55087-25	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	950	150	ug/kg
CC-C-046-0-2-20140220	480-55087-25	2,4-DINITROPHENOL	2/26/2014		Yes	N	U		U	1800	330	ug/kg
CC-C-046-0-2-20140220	480-55087-25	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	950	250	ug/kg
CC-C-046-0-2-20140220	480-55087-25	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	950	49	ug/kg
CC-C-046-0-2-20140220	480-55087-25	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	950	62	ug/kg
CC-C-046-0-2-20140220	480-55087-25	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	950	210	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-046-0-2-20140220	480-55087-25	2-METHYLNAPHTHALENE	2/26/2014		Yes	N	U		U	950	11	ug/kg
CC-C-046-0-2-20140220	480-55087-25	BENZO(A)PYRENE	2/26/2014	820	Yes	Y	J		J	950	23	ug/kg
CC-C-046-0-2-20140220	480-55087-25	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U	950	29	ug/kg
CC-C-046-0-2-20140220	480-55087-25	BENZO(B)FLUORANTHENE	2/26/2014	1200	Yes	Y				950	18	ug/kg
CC-C-046-0-2-20140220	480-55087-25	BENZO(A)ANTHRACENE	2/26/2014	800	Yes	Y	J		J	950	16	ug/kg
CC-C-046-0-2-20140220	480-55087-25	ATRAZINE	2/26/2014		Yes	N	U		U	950	42	ug/kg
CC-C-046-0-2-20140220	480-55087-25	ANTHRACENE	2/26/2014	130	Yes	Y	J		J	950	24	ug/kg
CC-C-046-0-2-20140220	480-55087-25	ACETOPHENONE	2/26/2014		Yes	N	U		U	950	48	ug/kg
CC-C-046-0-2-20140220	480-55087-25	ACENAPHTHYLENE	2/26/2014		Yes	N	U		U	950	7.7	ug/kg
CC-C-046-0-2-20140220	480-55087-25	ACENAPHTHENE	2/26/2014		Yes	N	U		U	950	11	ug/kg
CC-C-046-0-2-20140220	480-55087-25	4-NITROPHENOL	2/26/2014		Yes	N	U		U	1800	230	ug/kg
CC-C-046-0-2-20140220	480-55087-25	4-NITROANILINE	2/26/2014		Yes	N	U		U	1800	110	ug/kg
CC-C-046-0-2-20140220	480-55087-25	BENZO(K)FLUORANTHENE	2/26/2014	520	Yes	Y	J		J	950	10	ug/kg
CC-C-046-0-2-20140220	480-55087-25	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		U	1800	52	ug/kg
CC-C-046-0-2-20140220	480-55087-25	BENZO(G,H,I)PERYLENE	2/26/2014	330	Yes	Y	J		J	950	11	ug/kg
CC-C-046-4-6-20140220	480-55087-26	BIS(2-CHLOROETHOXY) METHANE	2/27/2014		Yes	N	U		U	190	10	ug/kg
CC-C-046-4-6-20140220	480-55087-26	DIETHYL PHTHALATE	2/27/2014		Yes	N	U		U	190	5.6	ug/kg
CC-C-046-4-6-20140220	480-55087-26	DIBENZOFURAN	2/27/2014	34	Yes	Y	J		J	190	1.9	ug/kg
CC-C-046-4-6-20140220	480-55087-26	DIBENZ(A,H)ANTHRACENE	2/27/2014		Yes	N	U		U	190	2.2	ug/kg
CC-C-046-4-6-20140220	480-55087-26	CHRYSENE	2/27/2014	770	Yes	Y				190	1.8	ug/kg
CC-C-046-4-6-20140220	480-55087-26	CARBAZOLE	2/27/2014	59	Yes	Y	J		J	190	2.1	ug/kg
CC-C-046-4-6-20140220	480-55087-26	CAPROLACTAM	2/27/2014		Yes	N	U		U	190	80	ug/kg
CC-C-046-4-6-20140220	480-55087-26	BIS(2-ETHYLHEXYL) PHTHALATE	2/27/2014	180	Yes	Y	J		J	190	60	ug/kg
CC-C-046-4-6-20140220	480-55087-26	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/27/2014		Yes	N	U		U	190	16	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-046-4-6-20140220	480-55087-26	DI-N-OCTYLPHTHALATE	2/27/2014		Yes	N	U		U	190	4.3	ug/kg
CC-C-046-4-6-20140220	480-55087-26	BIPHENYL (DIPHENYL)	2/27/2014		Yes	N	U		U	190	12	ug/kg
CC-C-046-4-6-20140220	480-55087-26	BENZYL BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	190	50	ug/kg
CC-C-046-4-6-20140220	480-55087-26	BENZO(K)FLUORANTHENE	2/27/2014	590	Yes	Y				190	2.0	ug/kg
CC-C-046-4-6-20140220	480-55087-26	BENZO(G,H,I)PERYLENE	2/27/2014	300	Yes	Y				190	2.2	ug/kg
CC-C-046-4-6-20140220	480-55087-26	BENZO(B)FLUORANTHENE	2/27/2014	1200	Yes	Y				190	3.6	ug/kg
CC-C-046-4-6-20140220	480-55087-26	BENZO(A)PYRENE	2/27/2014	810	Yes	Y				190	4.5	ug/kg
CC-C-046-4-6-20140220	480-55087-26	BENZO(A)ANTHRACENE	2/27/2014	750	Yes	Y				190	3.2	ug/kg
CC-C-046-4-6-20140220	480-55087-26	ATRAZINE	2/27/2014		Yes	N	U		U	190	8.2	ug/kg
CC-C-046-4-6-20140220	480-55087-26	BIS(2-CHLOROISOPROPYL) ETHER	2/27/2014		Yes	N	U		U	190	19	ug/kg
CC-C-046-4-6-20140220	480-55087-26	NAPHTHALENE	2/27/2014	27	Yes	Y	J		J	190	3.1	ug/kg
CC-C-046-4-6-20140220	480-55087-26	PHENOL	2/27/2014		Yes	N	U		U	190	19	ug/kg
CC-C-046-4-6-20140220	480-55087-26	PHENANTHRENE	2/27/2014	650	Yes	Y				190	3.9	ug/kg
CC-C-046-4-6-20140220	480-55087-26	4-METHYLPHENOL (P-CRESOL)	2/27/2014		Yes	N	U		U	360	10	ug/kg
CC-C-046-4-6-20140220	480-55087-26	HEXACHLOROBENZENE	2/27/2014		Yes	N	U		U	190	9.2	ug/kg
CC-C-046-4-6-20140220	480-55087-26	ANTHRACENE	2/27/2014	180	Yes	Y	J		J	190	4.7	ug/kg
CC-C-046-4-6-20140220	480-55087-26	HEXACHLOROBUTADIENE	2/27/2014		Yes	N	U		U	190	9.5	ug/kg
CC-C-046-4-6-20140220	480-55087-26	HEXACHLOROCYCLOPENTADIENE	2/27/2014		Yes	N	U		U	190	56	ug/kg
CC-C-046-4-6-20140220	480-55087-26	HEXACHLOROETHANE	2/27/2014		Yes	N	U		U	190	14	ug/kg
CC-C-046-4-6-20140220	480-55087-26	DIMETHYL PHTHALATE	2/27/2014		Yes	N	U		U	190	4.8	ug/kg
CC-C-046-4-6-20140220	480-55087-26	ISOPHORONE	2/27/2014		Yes	N	U		U	190	9.2	ug/kg
CC-C-046-4-6-20140220	480-55087-26	DI-N-BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	190	64	ug/kg
CC-C-046-4-6-20140220	480-55087-26	NITROBENZENE	2/27/2014		Yes	N	U		U	190	8.2	ug/kg
CC-C-046-4-6-20140220	480-55087-26	N-NITROSODIPHENYLAMINE	2/27/2014		Yes	N	U		U	190	10	ug/kg
CC-C-046-4-6-20140220	480-55087-26	PENTACHLOROPHENOL	2/27/2014		Yes	N	U		U	360	63	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-046-4-6-20140220	480-55087-26	N-NITROSODI-N-PROPYLAMINE	2/27/2014		Yes	N	U		U	190	15	ug/kg
CC-C-046-4-6-20140220	480-55087-26	BENZALDEHYDE	2/27/2014		Yes	N	U	R	R	190	20	ug/kg
CC-C-046-4-6-20140220	480-55087-26	FLUORENE	2/27/2014	49	Yes	Y	J		J	190	4.3	ug/kg
CC-C-046-4-6-20140220	480-55087-26	FLUORANTHENE	2/27/2014	1500	Yes	Y				190	2.7	ug/kg
CC-C-046-4-6-20140220	480-55087-26	PYRENE	2/27/2014	1200	Yes	Y				190	1.2	ug/kg
CC-C-046-4-6-20140220	480-55087-26	INDENO(1,2,3-C,D)PYRENE	2/27/2014	300	Yes	Y				190	5.1	ug/kg
CC-C-046-4-6-20140220	480-55087-26	2,4-DINITROPHENOL	2/27/2014		Yes	N	U		U	360	65	ug/kg
CC-C-046-4-6-20140220	480-55087-26	4-NITROPHENOL	2/27/2014		Yes	N	U	UJ	UJ	360	45	ug/kg
CC-C-046-4-6-20140220	480-55087-26	ACENAPHTHENE	2/27/2014	56	Yes	Y	J		J	190	2.2	ug/kg
CC-C-046-4-6-20140220	480-55087-26	ACETOPHENONE	2/27/2014		Yes	N	U		U	190	9.5	ug/kg
CC-C-046-4-6-20140220	480-55087-26	2,4,5-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	190	40	ug/kg
CC-C-046-4-6-20140220	480-55087-26	2,4,6-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	190	12	ug/kg
CC-C-046-4-6-20140220	480-55087-26	2,4-DIMETHYLPHENOL	2/27/2014		Yes	N	U		U	190	50	ug/kg
CC-C-046-4-6-20140220	480-55087-26	2,4-DINITROTOLUENE	2/27/2014		Yes	N	U		U	190	29	ug/kg
CC-C-046-4-6-20140220	480-55087-26	2,6-DINITROTOLUENE	2/27/2014		Yes	N	U		U	190	45	ug/kg
CC-C-046-4-6-20140220	480-55087-26	2-CHLORONAPHTHALENE	2/27/2014		Yes	N	U		U	190	12	ug/kg
CC-C-046-4-6-20140220	480-55087-26	2-CHLOROPHENOL	2/27/2014		Yes	N	U		U	190	9.4	ug/kg
CC-C-046-4-6-20140220	480-55087-26	2-METHYLNAPHTHALENE	2/27/2014	15	Yes	Y	J		J	190	2.2	ug/kg
CC-C-046-4-6-20140220	480-55087-26	2-METHYLPHENOL (O-CRESOL)	2/27/2014		Yes	N	U		U	190	5.7	ug/kg
CC-C-046-4-6-20140220	480-55087-26	2-NITROANILINE	2/27/2014		Yes	N	U		U	360	59	ug/kg
CC-C-046-4-6-20140220	480-55087-26	4-NITROANILINE	2/27/2014		Yes	N	U		U	360	21	ug/kg
CC-C-046-4-6-20140220	480-55087-26	3,3'-DICHLOROBENZIDINE	2/27/2014		Yes	N	U		U	190	160	ug/kg
CC-C-046-4-6-20140220	480-55087-26	3-NITROANILINE	2/27/2014		Yes	N	U		U	360	43	ug/kg
CC-C-046-4-6-20140220	480-55087-26	4,6-DINITRO-2-METHYLPHENOL	2/27/2014		Yes	N	U		U	360	64	ug/kg
CC-C-046-4-6-20140220	480-55087-26	4-BROMOPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		U	190	59	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-046-4-6-20140220	480-55087-26	4-CHLORO-3-METHYLPHENOL	2/27/2014		Yes	N	U		U	190	7.6	ug/kg
CC-C-046-4-6-20140220	480-55087-26	4-CHLOROANILINE	2/27/2014		Yes	N	U		U	190	54	ug/kg
CC-C-046-4-6-20140220	480-55087-26	ACENAPHTHYLENE	2/27/2014	110	Yes	Y	J		J	190	1.5	ug/kg
CC-C-046-4-6-20140220	480-55087-26	4-CHLOROPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		U	190	3.9	ug/kg
CC-C-046-4-6-20140220	480-55087-26	2,4-DICHLOROPHENOL	2/27/2014		Yes	N	U		U	190	9.7	ug/kg
CC-C-046-4-6-20140220	480-55087-26	2-NITROPHENOL	2/27/2014		Yes	N	U		U	190	8.5	ug/kg
CC-C-046-8-10-20140220	480-55087-28	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	950	51	ug/kg
CC-C-046-8-10-20140220	480-55087-28	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	950	81	ug/kg
CC-C-046-8-10-20140220	480-55087-28	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	950	98	ug/kg
CC-C-046-8-10-20140220	480-55087-28	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014		Yes	N	U		U	950	300	ug/kg
CC-C-046-8-10-20140220	480-55087-28	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	950	58	ug/kg
CC-C-046-8-10-20140220	480-55087-28	CARBAZOLE	2/26/2014		Yes	N	U		U	950	11	ug/kg
CC-C-046-8-10-20140220	480-55087-28	BENZO(A)PYRENE	2/26/2014	750	Yes	Y	J		J	950	23	ug/kg
CC-C-046-8-10-20140220	480-55087-28	PYRENE	2/26/2014	1100	Yes	Y				950	6.1	ug/kg
CC-C-046-8-10-20140220	480-55087-28	CAPROLACTAM	2/26/2014		Yes	N	U		U	950	410	ug/kg
CC-C-046-8-10-20140220	480-55087-28	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	950	250	ug/kg
CC-C-046-8-10-20140220	480-55087-28	ACETOPHENONE	2/26/2014		Yes	N	U		U	950	48	ug/kg
CC-C-046-8-10-20140220	480-55087-28	BENZO(K)FLUORANTHENE	2/26/2014	490	Yes	Y	J		J	950	10	ug/kg
CC-C-046-8-10-20140220	480-55087-28	ANTHRACENE	2/26/2014	170	Yes	Y	J		J	950	24	ug/kg
CC-C-046-8-10-20140220	480-55087-28	BENZO(B)FLUORANTHENE	2/26/2014	1000	Yes	Y				950	18	ug/kg
CC-C-046-8-10-20140220	480-55087-28	BENZO(A)ANTHRACENE	2/26/2014	680	Yes	Y	J		J	950	16	ug/kg
CC-C-046-8-10-20140220	480-55087-28	BENZALDEHYDE	2/26/2014		Yes	N	U		U	950	100	ug/kg
CC-C-046-8-10-20140220	480-55087-28	ATRAZINE	2/26/2014		Yes	N	U		U	950	42	ug/kg
CC-C-046-8-10-20140220	480-55087-28	DIBENZ(A,H)ANTHRACENE	2/26/2014		Yes	N	U		U	950	11	ug/kg

SDG: 480550871

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-046-8-10-20140220	480-55087-28	ISOPHORONE	2/26/2014		Yes	N	U		U	950	47	ug/kg
CC-C-046-8-10-20140220	480-55087-28	BENZO(G,H,I)PERYLENE	2/26/2014	300	Yes	Y	J		J	950	11	ug/kg
CC-C-046-8-10-20140220	480-55087-28	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		U	950	74	ug/kg
CC-C-046-8-10-20140220	480-55087-28	FLUORENE	2/26/2014		Yes	N	U		U	950	22	ug/kg
CC-C-046-8-10-20140220	480-55087-28	ACENAPHTHYLENE	2/26/2014		Yes	N	U		U	950	7.7	ug/kg
CC-C-046-8-10-20140220	480-55087-28	CHRYSENE	2/26/2014	790	Yes	Y	J		J	950	9.4	ug/kg
CC-C-046-8-10-20140220	480-55087-28	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	950	47	ug/kg
CC-C-046-8-10-20140220	480-55087-28	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	950	48	ug/kg
CC-C-046-8-10-20140220	480-55087-28	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U		U	950	280	ug/kg
CC-C-046-8-10-20140220	480-55087-28	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	950	73	ug/kg
CC-C-046-8-10-20140220	480-55087-28	NITROBENZENE	2/26/2014		Yes	N	U		U	950	42	ug/kg
CC-C-046-8-10-20140220	480-55087-28	NAPHTHALENE	2/26/2014		Yes	N	U		U	950	16	ug/kg
CC-C-046-8-10-20140220	480-55087-28	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	950	28	ug/kg
CC-C-046-8-10-20140220	480-55087-28	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	950	51	ug/kg
CC-C-046-8-10-20140220	480-55087-28	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	1800	320	ug/kg
CC-C-046-8-10-20140220	480-55087-28	PHENANTHRENE	2/26/2014	940	Yes	Y	J		J	950	20	ug/kg
CC-C-046-8-10-20140220	480-55087-28	PHENOL	2/26/2014		Yes	N	U		U	950	99	ug/kg
CC-C-046-8-10-20140220	480-55087-28	FLUORANTHENE	2/26/2014	1500	Yes	Y				950	14	ug/kg
CC-C-046-8-10-20140220	480-55087-28	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U		U	950	22	ug/kg
CC-C-046-8-10-20140220	480-55087-28	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	950	320	ug/kg
CC-C-046-8-10-20140220	480-55087-28	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	950	24	ug/kg
CC-C-046-8-10-20140220	480-55087-28	INDENO(1,2,3-C,D)PYRENE	2/26/2014	270	Yes	Y	J		J	950	26	ug/kg
CC-C-046-8-10-20140220	480-55087-28	2,4-DINITROPHENOL	2/26/2014		Yes	N	U		U	1800	330	ug/kg
CC-C-046-8-10-20140220	480-55087-28	DIBENZOFURAN	2/26/2014		Yes	N	U		U	950	9.8	ug/kg
CC-C-046-8-10-20140220	480-55087-28	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	950	200	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-046-8-10-20140220	480-55087-28	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	950	62	ug/kg
CC-C-046-8-10-20140220	480-55087-28	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	950	49	ug/kg
CC-C-046-8-10-20140220	480-55087-28	ACENAPHTHENE	2/26/2014	93	Yes	Y	J		J	950	11	ug/kg
CC-C-046-8-10-20140220	480-55087-28	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	950	250	ug/kg
CC-C-046-8-10-20140220	480-55087-28	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	950	150	ug/kg
CC-C-046-8-10-20140220	480-55087-28	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		U	950	230	ug/kg
CC-C-046-8-10-20140220	480-55087-28	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		U	950	63	ug/kg
CC-C-046-8-10-20140220	480-55087-28	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	950	48	ug/kg
CC-C-046-8-10-20140220	480-55087-28	2-METHYLNAPHTHALENE	2/26/2014		Yes	N	U		U	950	11	ug/kg
CC-C-046-8-10-20140220	480-55087-28	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U	950	29	ug/kg
CC-C-046-8-10-20140220	480-55087-28	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	950	20	ug/kg
CC-C-046-8-10-20140220	480-55087-28	2-NITROANILINE	2/26/2014		Yes	N	U		U	1800	300	ug/kg
CC-C-046-8-10-20140220	480-55087-28	4-NITROPHENOL	2/26/2014		Yes	N	U		U	1800	230	ug/kg
CC-C-046-8-10-20140220	480-55087-28	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		U	1800	52	ug/kg
CC-C-046-8-10-20140220	480-55087-28	4-CHLOROANILINE	2/26/2014		Yes	N	U		U	950	280	ug/kg
CC-C-046-8-10-20140220	480-55087-28	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		U	950	39	ug/kg
CC-C-046-8-10-20140220	480-55087-28	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U		U	950	820	ug/kg
CC-C-046-8-10-20140220	480-55087-28	4-NITROANILINE	2/26/2014		Yes	N	U		U	1800	100	ug/kg
CC-C-046-8-10-20140220	480-55087-28	2-NITROPHENOL	2/26/2014		Yes	N	U		U	950	43	ug/kg
CC-C-046-8-10-20140220	480-55087-28	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	950	300	ug/kg
CC-C-046-8-10-20140220	480-55087-28	3-NITROANILINE	2/26/2014		Yes	N	U		U	1800	220	ug/kg
CC-C-046-8-10-20140220	480-55087-28	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	1800	320	ug/kg
CC-C-047-0-2-20140220	480-55087-29	BENZO(A)ANTHRACENE	2/26/2014	670	Yes	Y	J		J	920	16	ug/kg
CC-C-047-0-2-20140220	480-55087-29	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	920	50	ug/kg
CC-C-047-0-2-20140220	480-55087-29	ACENAPHTHYLENE	2/26/2014		Yes	N	U		U	920	7.4	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-047-0-2-20140220	480-55087-29	DIBENZ(A,H)ANTHRACENE	2/26/2014		Yes	N	U		U	920	11	ug/kg
CC-C-047-0-2-20140220	480-55087-29	CARBAZOLE	2/26/2014		Yes	N	U		U	920	11	ug/kg
CC-C-047-0-2-20140220	480-55087-29	CAPROLACTAM	2/26/2014		Yes	N	U		U	920	390	ug/kg
CC-C-047-0-2-20140220	480-55087-29	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014		Yes	N	U		U	920	290	ug/kg
CC-C-047-0-2-20140220	480-55087-29	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	920	95	ug/kg
CC-C-047-0-2-20140220	480-55087-29	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	920	79	ug/kg
CC-C-047-0-2-20140220	480-55087-29	CHRYSENE	2/26/2014	690	Yes	Y	J		J	920	9.1	ug/kg
CC-C-047-0-2-20140220	480-55087-29	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	920	57	ug/kg
CC-C-047-0-2-20140220	480-55087-29	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	920	240	ug/kg
CC-C-047-0-2-20140220	480-55087-29	BENZO(K)FLUORANTHENE	2/26/2014	480	Yes	Y	J		J	920	10	ug/kg
CC-C-047-0-2-20140220	480-55087-29	BENZO(G,H,I)PERYLENE	2/26/2014	330	Yes	Y	J		J	920	11	ug/kg
CC-C-047-0-2-20140220	480-55087-29	ANTHRACENE	2/26/2014		Yes	N	U		U	920	23	ug/kg
CC-C-047-0-2-20140220	480-55087-29	BENZO(A)PYRENE	2/26/2014	770	Yes	Y	J		J	920	22	ug/kg
CC-C-047-0-2-20140220	480-55087-29	ATRAZINE	2/26/2014		Yes	N	U		U	920	40	ug/kg
CC-C-047-0-2-20140220	480-55087-29	NAPHTHALENE	2/26/2014		Yes	N	U		U	920	15	ug/kg
CC-C-047-0-2-20140220	480-55087-29	ACETOPHENONE	2/26/2014		Yes	N	U		U	920	47	ug/kg
CC-C-047-0-2-20140220	480-55087-29	BENZO(B)FLUORANTHENE	2/26/2014	1200	Yes	Y				920	18	ug/kg
CC-C-047-0-2-20140220	480-55087-29	ACENAPHTHENE	2/26/2014		Yes	N	U		U	920	11	ug/kg
CC-C-047-0-2-20140220	480-55087-29	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U	UJ	UJ	920	280	ug/kg
CC-C-047-0-2-20140220	480-55087-29	PYRENE	2/26/2014	880	Yes	Y	J		J	920	5.9	ug/kg
CC-C-047-0-2-20140220	480-55087-29	PHENOL	2/26/2014		Yes	N	U		U	920	96	ug/kg
CC-C-047-0-2-20140220	480-55087-29	PHENANTHRENE	2/26/2014	440	Yes	Y	J		J	920	19	ug/kg
CC-C-047-0-2-20140220	480-55087-29	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	1800	310	ug/kg
CC-C-047-0-2-20140220	480-55087-29	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	920	50	ug/kg

SDG: 480550871

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-047-0-2-20140220	480-55087-29	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		U	920	72	ug/kg
CC-C-047-0-2-20140220	480-55087-29	NITROBENZENE	2/26/2014		Yes	N	U		U	920	40	ug/kg
CC-C-047-0-2-20140220	480-55087-29	INDENO(1,2,3-C,D)PYRENE	2/26/2014	270	Yes	Y	J		J	920	25	ug/kg
CC-C-047-0-2-20140220	480-55087-29	ISOPHORONE	2/26/2014		Yes	N	U		U	920	45	ug/kg
CC-C-047-0-2-20140220	480-55087-29	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	920	27	ug/kg
CC-C-047-0-2-20140220	480-55087-29	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	920	70	ug/kg
CC-C-047-0-2-20140220	480-55087-29	BENZALDEHYDE	2/26/2014		Yes	N	U	R	R	920	100	ug/kg
CC-C-047-0-2-20140220	480-55087-29	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	920	47	ug/kg
CC-C-047-0-2-20140220	480-55087-29	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	920	45	ug/kg
CC-C-047-0-2-20140220	480-55087-29	FLUORENE	2/26/2014		Yes	N	U		U	920	21	ug/kg
CC-C-047-0-2-20140220	480-55087-29	FLUORANTHENE	2/26/2014	1200	Yes	Y				920	13	ug/kg
CC-C-047-0-2-20140220	480-55087-29	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U		U	920	21	ug/kg
CC-C-047-0-2-20140220	480-55087-29	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	920	310	ug/kg
CC-C-047-0-2-20140220	480-55087-29	DIBENZOFURAN	2/26/2014		Yes	N	U		U	920	9.5	ug/kg
CC-C-047-0-2-20140220	480-55087-29	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	920	48	ug/kg
CC-C-047-0-2-20140220	480-55087-29	4-NITROPHENOL	2/26/2014		Yes	N	U		U	1800	220	ug/kg
CC-C-047-0-2-20140220	480-55087-29	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	920	24	ug/kg
CC-C-047-0-2-20140220	480-55087-29	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	920	60	ug/kg
CC-C-047-0-2-20140220	480-55087-29	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	920	250	ug/kg
CC-C-047-0-2-20140220	480-55087-29	2,4-DINITROPHENOL	2/26/2014		Yes	N	U		U	1800	320	ug/kg
CC-C-047-0-2-20140220	480-55087-29	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	920	140	ug/kg
CC-C-047-0-2-20140220	480-55087-29	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		U	920	220	ug/kg
CC-C-047-0-2-20140220	480-55087-29	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		U	920	61	ug/kg
CC-C-047-0-2-20140220	480-55087-29	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	920	46	ug/kg
CC-C-047-0-2-20140220	480-55087-29	2-METHYLNAPHTHALENE	2/26/2014		Yes	N	U		U	920	11	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-047-0-2-20140220	480-55087-29	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U	920	28	ug/kg
CC-C-047-0-2-20140220	480-55087-29	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	920	19	ug/kg
CC-C-047-0-2-20140220	480-55087-29	2-NITROPHENOL	2/26/2014		Yes	N	U		U	920	42	ug/kg
CC-C-047-0-2-20140220	480-55087-29	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U		U	920	800	ug/kg
CC-C-047-0-2-20140220	480-55087-29	3-NITROANILINE	2/26/2014		Yes	N	U		U	1800	210	ug/kg
CC-C-047-0-2-20140220	480-55087-29	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	1800	310	ug/kg
CC-C-047-0-2-20140220	480-55087-29	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	920	290	ug/kg
CC-C-047-0-2-20140220	480-55087-29	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		U	920	37	ug/kg
CC-C-047-0-2-20140220	480-55087-29	4-CHLOROANILINE	2/26/2014		Yes	N	U		U	920	270	ug/kg
CC-C-047-0-2-20140220	480-55087-29	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		U	1800	51	ug/kg
CC-C-047-0-2-20140220	480-55087-29	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	920	200	ug/kg
CC-C-047-0-2-20140220	480-55087-29	4-NITROANILINE	2/26/2014		Yes	N	U		U	1800	100	ug/kg
CC-C-047-0-2-20140220	480-55087-29	2-NITROANILINE	2/26/2014		Yes	N	U		U	1800	290	ug/kg
CC-C-047-2-4-20140220	480-55087-30	BENZO(K)FLUORANTHENE	2/27/2014	590	Yes	Y				190	2.0	ug/kg
CC-C-047-2-4-20140220	480-55087-30	BENZYL BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	190	50	ug/kg
CC-C-047-2-4-20140220	480-55087-30	BIPHENYL (DIPHENYL)	2/27/2014		Yes	N	U		U	190	12	ug/kg
CC-C-047-2-4-20140220	480-55087-30	BIS(2-CHLOROETHOXY) METHANE	2/27/2014		Yes	N	U		U	190	10	ug/kg
CC-C-047-2-4-20140220	480-55087-30	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/27/2014		Yes	N	U		U	190	16	ug/kg
CC-C-047-2-4-20140220	480-55087-30	BIS(2-ETHYLHEXYL) PHTHALATE	2/27/2014	69	Yes	Y	J		J	190	60	ug/kg
CC-C-047-2-4-20140220	480-55087-30	ATRAZINE	2/27/2014		Yes	N	U		U	190	8.2	ug/kg
CC-C-047-2-4-20140220	480-55087-30	CAPROLACTAM	2/27/2014		Yes	N	U		U	190	80	ug/kg
CC-C-047-2-4-20140220	480-55087-30	CARBAZOLE	2/27/2014	110	Yes	Y	J		J	190	2.1	ug/kg
CC-C-047-2-4-20140220	480-55087-30	BIS(2-CHLOROISOPROPYL) ETHER	2/27/2014		Yes	N	U		U	190	19	ug/kg
CC-C-047-2-4-20140220	480-55087-30	BENZO(G,H,I)PERYLENE	2/27/2014	380	Yes	Y				190	2.2	ug/kg

SDG: 480550871

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-047-2-4-20140220	480-55087-30	BENZO(B)FLUORANTHENE	2/27/2014	1400	Yes	Y				190	3.6	ug/kg
CC-C-047-2-4-20140220	480-55087-30	BENZO(A)ANTHRACENE	2/27/2014	1000	Yes	Y				190	3.2	ug/kg
CC-C-047-2-4-20140220	480-55087-30	ANTHRACENE	2/27/2014	290	Yes	Y				190	4.7	ug/kg
CC-C-047-2-4-20140220	480-55087-30	ACETOPHENONE	2/27/2014		Yes	N	U		U	190	9.5	ug/kg
CC-C-047-2-4-20140220	480-55087-30	ACENAPHTHYLENE	2/27/2014	79	Yes	Y	J		J	190	1.5	ug/kg
CC-C-047-2-4-20140220	480-55087-30	CHRYSENE	2/27/2014	1100	Yes	Y				190	1.8	ug/kg
CC-C-047-2-4-20140220	480-55087-30	INDENO(1,2,3-C,D)PYRENE	2/27/2014	340	Yes	Y				190	5.1	ug/kg
CC-C-047-2-4-20140220	480-55087-30	ACENAPHTHENE	2/27/2014	110	Yes	Y	J		J	190	2.2	ug/kg
CC-C-047-2-4-20140220	480-55087-30	BENZO(A)PYRENE	2/27/2014	1000	Yes	Y				190	4.5	ug/kg
CC-C-047-2-4-20140220	480-55087-30	4-NITROANILINE	2/27/2014		Yes	N	U		U	360	21	ug/kg
CC-C-047-2-4-20140220	480-55087-30	PYRENE	2/27/2014	1700	Yes	Y				190	1.2	ug/kg
CC-C-047-2-4-20140220	480-55087-30	PHENOL	2/27/2014		Yes	N	U		U	190	19	ug/kg
CC-C-047-2-4-20140220	480-55087-30	PHENANTHRENE	2/27/2014	1500	Yes	Y				190	3.9	ug/kg
CC-C-047-2-4-20140220	480-55087-30	PENTACHLOROPHENOL	2/27/2014		Yes	N	U		U	360	63	ug/kg
CC-C-047-2-4-20140220	480-55087-30	N-NITROSODIPHENYLAMINE	2/27/2014		Yes	N	U		U	190	10	ug/kg
CC-C-047-2-4-20140220	480-55087-30	N-NITROSODI-N-PROPYLAMINE	2/27/2014		Yes	N	U		U	190	15	ug/kg
CC-C-047-2-4-20140220	480-55087-30	NITROBENZENE	2/27/2014		Yes	N	U		U	190	8.2	ug/kg
CC-C-047-2-4-20140220	480-55087-30	NAPHTHALENE	2/27/2014	81	Yes	Y	J		J	190	3.1	ug/kg
CC-C-047-2-4-20140220	480-55087-30	ISOPHORONE	2/27/2014		Yes	N	U		U	190	9.2	ug/kg
CC-C-047-2-4-20140220	480-55087-30	4-NITROPHENOL	2/27/2014		Yes	N	U	UJ	UJ	360	45	ug/kg
CC-C-047-2-4-20140220	480-55087-30	HEXACHLOROETHANE	2/27/2014		Yes	N	U		U	190	14	ug/kg
CC-C-047-2-4-20140220	480-55087-30	DIBENZ(A,H)ANTHRACENE	2/27/2014		Yes	N	U		U	190	2.2	ug/kg
CC-C-047-2-4-20140220	480-55087-30	HEXACHLOROBUTADIENE	2/27/2014		Yes	N	U		U	190	9.5	ug/kg
CC-C-047-2-4-20140220	480-55087-30	HEXACHLOROBENZENE	2/27/2014		Yes	N	U		U	190	9.2	ug/kg
CC-C-047-2-4-20140220	480-55087-30	FLUORENE	2/27/2014	110	Yes	Y	J		J	190	4.3	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-047-2-4-20140220	480-55087-30	FLUORANTHENE	2/27/2014	2000	Yes	Y				190	2.7	ug/kg
CC-C-047-2-4-20140220	480-55087-30	DI-N-OCTYLPHthalate	2/27/2014		Yes	N	U		U	190	4.3	ug/kg
CC-C-047-2-4-20140220	480-55087-30	DI-N-BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	190	64	ug/kg
CC-C-047-2-4-20140220	480-55087-30	DIMETHYL PHTHALATE	2/27/2014		Yes	N	U		U	190	4.8	ug/kg
CC-C-047-2-4-20140220	480-55087-30	DIETHYL PHTHALATE	2/27/2014		Yes	N	U		U	190	5.6	ug/kg
CC-C-047-2-4-20140220	480-55087-30	DIBENZOFURAN	2/27/2014	80	Yes	Y	J		J	190	1.9	ug/kg
CC-C-047-2-4-20140220	480-55087-30	2-METHYLNAPHTHALENE	2/27/2014	44	Yes	Y	J		J	190	2.2	ug/kg
CC-C-047-2-4-20140220	480-55087-30	2,6-DINITROTOLUENE	2/27/2014		Yes	N	U		U	190	45	ug/kg
CC-C-047-2-4-20140220	480-55087-30	2-NITROANILINE	2/27/2014		Yes	N	U		U	360	59	ug/kg
CC-C-047-2-4-20140220	480-55087-30	4-METHYLPHENOL (P-CRESOL)	2/27/2014		Yes	N	U		U	360	10	ug/kg
CC-C-047-2-4-20140220	480-55087-30	2,4,5-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	190	40	ug/kg
CC-C-047-2-4-20140220	480-55087-30	2,4,6-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	190	12	ug/kg
CC-C-047-2-4-20140220	480-55087-30	2,4-DICHLOROPHENOL	2/27/2014		Yes	N	U		U	190	9.7	ug/kg
CC-C-047-2-4-20140220	480-55087-30	2,4-DIMETHYLPHENOL	2/27/2014		Yes	N	U		U	190	50	ug/kg
CC-C-047-2-4-20140220	480-55087-30	2,4-DINITROTOLUENE	2/27/2014		Yes	N	U		U	190	29	ug/kg
CC-C-047-2-4-20140220	480-55087-30	HEXACHLOROCYCLOPENTADIENE	2/27/2014		Yes	N	U	UJ	UJ	190	56	ug/kg
CC-C-047-2-4-20140220	480-55087-30	2-CHLORONAPHTHALENE	2/27/2014		Yes	N	U		U	190	12	ug/kg
CC-C-047-2-4-20140220	480-55087-30	2-CHLOROPHENOL	2/27/2014		Yes	N	U		U	190	9.4	ug/kg
CC-C-047-2-4-20140220	480-55087-30	4-CHLORO-3-METHYLPHENOL	2/27/2014		Yes	N	U		U	190	7.6	ug/kg
CC-C-047-2-4-20140220	480-55087-30	2,4-DINITROPHENOL	2/27/2014		Yes	N	U		U	360	65	ug/kg
CC-C-047-2-4-20140220	480-55087-30	4-CHLOROANILINE	2/27/2014		Yes	N	U		U	190	54	ug/kg
CC-C-047-2-4-20140220	480-55087-30	2-METHYLPHENOL (O-CRESOL)	2/27/2014		Yes	N	U		U	190	5.7	ug/kg
CC-C-047-2-4-20140220	480-55087-30	4-BROMOPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		U	190	59	ug/kg
CC-C-047-2-4-20140220	480-55087-30	4,6-DINITRO-2-METHYLPHENOL	2/27/2014		Yes	N	U		U	360	64	ug/kg
CC-C-047-2-4-20140220	480-55087-30	BENZALDEHYDE	2/27/2014		Yes	N	U	R	R	190	20	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-047-2-4-20140220	480-55087-30	3-NITROANILINE	2/27/2014		Yes	N	U		U	360	42	ug/kg
CC-C-047-2-4-20140220	480-55087-30	3,3'-DICHLOROBENZIDINE	2/27/2014		Yes	N	U		U	190	160	ug/kg
CC-C-047-2-4-20140220	480-55087-30	2-NITROPHENOL	2/27/2014		Yes	N	U		U	190	8.4	ug/kg
CC-C-047-2-4-20140220	480-55087-30	4-CHLOROPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		U	190	3.9	ug/kg
CC-C-047-8-10-20140220	480-55087-31	FLUORENE	2/27/2014	270	Yes	Y				190	4.4	ug/kg
CC-C-047-8-10-20140220	480-55087-31	HEXACHLOROBENZENE	2/27/2014		Yes	N	U		U	190	9.4	ug/kg
CC-C-047-8-10-20140220	480-55087-31	HEXACHLOROBUTADIENE	2/27/2014		Yes	N	U		U	190	9.7	ug/kg
CC-C-047-8-10-20140220	480-55087-31	HEXACHLOROETHANE	2/27/2014		Yes	N	U		U	190	15	ug/kg
CC-C-047-8-10-20140220	480-55087-31	4-BROMOPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		U	190	60	ug/kg
CC-C-047-8-10-20140220	480-55087-31	INDENO(1,2,3-C,D)PYRENE	2/27/2014	560	Yes	Y				190	5.2	ug/kg
CC-C-047-8-10-20140220	480-55087-31	FLUORANTHENE	2/27/2014	5100	Yes	Y				190	2.7	ug/kg
CC-C-047-8-10-20140220	480-55087-31	NAPHTHALENE	2/27/2014	110	Yes	Y	J		J	190	3.1	ug/kg
CC-C-047-8-10-20140220	480-55087-31	PHENOL	2/27/2014		Yes	N	U		U	190	20	ug/kg
CC-C-047-8-10-20140220	480-55087-31	ISOPHORONE	2/27/2014		Yes	N	U		U	190	9.5	ug/kg
CC-C-047-8-10-20140220	480-55087-31	DI-N-OCTYLPHTHALATE	2/27/2014		Yes	N	U		U	190	4.4	ug/kg
CC-C-047-8-10-20140220	480-55087-31	DI-N-BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	190	65	ug/kg
CC-C-047-8-10-20140220	480-55087-31	DIMETHYL PHTHALATE	2/27/2014		Yes	N	U		U	190	4.9	ug/kg
CC-C-047-8-10-20140220	480-55087-31	NITROBENZENE	2/27/2014		Yes	N	U		U	190	8.4	ug/kg
CC-C-047-8-10-20140220	480-55087-31	DIBENZOFURAN	2/27/2014	68	Yes	Y	J		J	190	2.0	ug/kg
CC-C-047-8-10-20140220	480-55087-31	CAPROLACTAM	2/27/2014		Yes	N	U		U	190	82	ug/kg
CC-C-047-8-10-20140220	480-55087-31	PYRENE	2/27/2014	4600	Yes	Y				190	1.2	ug/kg
CC-C-047-8-10-20140220	480-55087-31	DIBENZ(A,H)ANTHRACENE	2/27/2014		Yes	N	U		U	190	2.2	ug/kg
CC-C-047-8-10-20140220	480-55087-31	PHENANTHRENE	2/27/2014	4300	Yes	Y				190	4.0	ug/kg
CC-C-047-8-10-20140220	480-55087-31	4-CHLOROPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		U	190	4.0	ug/kg
CC-C-047-8-10-20140220	480-55087-31	4-CHLOROANILINE	2/27/2014		Yes	N	U		U	190	56	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-047-8-10-20140220	480-55087-31	4-CHLORO-3-METHYLPHENOL	2/27/2014		Yes	N	U		U	190	7.8	ug/kg
CC-C-047-8-10-20140220	480-55087-31	DIETHYL PHTHALATE	2/27/2014		Yes	N	U		U	190	5.7	ug/kg
CC-C-047-8-10-20140220	480-55087-31	BENZO(G,H,I)PERYLENE	2/27/2014	600	Yes	Y				190	2.3	ug/kg
CC-C-047-8-10-20140220	480-55087-31	4-METHYLPHENOL (P-CRESOL)	2/27/2014		Yes	N	U		U	370	11	ug/kg
CC-C-047-8-10-20140220	480-55087-31	4-NITROANILINE	2/27/2014		Yes	N	U		U	370	21	ug/kg
CC-C-047-8-10-20140220	480-55087-31	ACENAPHTHENE	2/27/2014	230	Yes	Y				190	2.2	ug/kg
CC-C-047-8-10-20140220	480-55087-31	ACENAPHTHYLENE	2/27/2014	200	Yes	Y				190	1.5	ug/kg
CC-C-047-8-10-20140220	480-55087-31	ACETOPHENONE	2/27/2014		Yes	N	U		U	190	9.7	ug/kg
CC-C-047-8-10-20140220	480-55087-31	ANTHRACENE	2/27/2014	580	Yes	Y				190	4.8	ug/kg
CC-C-047-8-10-20140220	480-55087-31	ATRAZINE	2/27/2014		Yes	N	U		U	190	8.4	ug/kg
CC-C-047-8-10-20140220	480-55087-31	BENZO(A)ANTHRACENE	2/27/2014	2500	Yes	Y				190	3.3	ug/kg
CC-C-047-8-10-20140220	480-55087-31	CHRYSENE	2/27/2014	2600	Yes	Y				190	1.9	ug/kg
CC-C-047-8-10-20140220	480-55087-31	BENZO(B)FLUORANTHENE	2/27/2014	3000	Yes	Y				190	3.7	ug/kg
CC-C-047-8-10-20140220	480-55087-31	N-NITROSODI-N-PROPYLAMINE	2/27/2014		Yes	N	U		U	190	15	ug/kg
CC-C-047-8-10-20140220	480-55087-31	BENZO(K)FLUORANTHENE	2/27/2014	1400	Yes	Y				190	2.1	ug/kg
CC-C-047-8-10-20140220	480-55087-31	BENZYL BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	190	51	ug/kg
CC-C-047-8-10-20140220	480-55087-31	BIPHENYL (DIPHENYL)	2/27/2014		Yes	N	U		U	190	12	ug/kg
CC-C-047-8-10-20140220	480-55087-31	BIS(2-CHLOROETHOXY) METHANE	2/27/2014		Yes	N	U		U	190	10	ug/kg
CC-C-047-8-10-20140220	480-55087-31	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/27/2014		Yes	N	U		U	190	16	ug/kg
CC-C-047-8-10-20140220	480-55087-31	BIS(2-CHLOROISOPROPYL) ETHER	2/27/2014		Yes	N	U		U	190	20	ug/kg
CC-C-047-8-10-20140220	480-55087-31	BIS(2-ETHYLHEXYL) PHTHALATE	2/27/2014	75	Yes	Y	J		J	190	61	ug/kg
CC-C-047-8-10-20140220	480-55087-31	CARBAZOLE	2/27/2014	100	Yes	Y	J		J	190	2.2	ug/kg
CC-C-047-8-10-20140220	480-55087-31	PENTACHLOROPHENOL	2/27/2014		Yes	N	U		U	370	65	ug/kg
CC-C-047-8-10-20140220	480-55087-31	N-NITROSODIPHENYLAMINE	2/27/2014		Yes	N	U		U	190	10	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-047-8-10-20140220	480-55087-31	BENZO(A)PYRENE	2/27/2014	2000	Yes	Y				190	4.6	ug/kg
CC-C-047-8-10-20140220	480-55087-31	2-CHLOROPHENOL	2/27/2014		Yes	N	U		U	190	9.6	ug/kg
CC-C-047-8-10-20140220	480-55087-31	2,4,5-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	190	41	ug/kg
CC-C-047-8-10-20140220	480-55087-31	BENZALDEHYDE	2/27/2014		Yes	N	U	R	R	190	21	ug/kg
CC-C-047-8-10-20140220	480-55087-31	3,3'-DICHLOROBENZIDINE	2/27/2014		Yes	N	U		U	190	170	ug/kg
CC-C-047-8-10-20140220	480-55087-31	2-NITROPHENOL	2/27/2014		Yes	N	U		U	190	8.6	ug/kg
CC-C-047-8-10-20140220	480-55087-31	2-NITROANILINE	2/27/2014		Yes	N	U		U	370	61	ug/kg
CC-C-047-8-10-20140220	480-55087-31	2-METHYLPHENOL (O-CRESOL)	2/27/2014		Yes	N	U		U	190	5.8	ug/kg
CC-C-047-8-10-20140220	480-55087-31	2-METHYLNAPHTHALENE	2/27/2014	54	Yes	Y	J		J	190	2.3	ug/kg
CC-C-047-8-10-20140220	480-55087-31	2-CHLORONAPHTHALENE	2/27/2014		Yes	N	U		U	190	13	ug/kg
CC-C-047-8-10-20140220	480-55087-31	2,6-DINITROTOLUENE	2/27/2014		Yes	N	U		U	190	46	ug/kg
CC-C-047-8-10-20140220	480-55087-31	2,4-DINITROTOLUENE	2/27/2014		Yes	N	U		U	190	29	ug/kg
CC-C-047-8-10-20140220	480-55087-31	2,4-DINITROPHENOL	2/27/2014		Yes	N	U		U	370	66	ug/kg
CC-C-047-8-10-20140220	480-55087-31	2,4-DIMETHYLPHENOL	2/27/2014		Yes	N	U		U	190	51	ug/kg
CC-C-047-8-10-20140220	480-55087-31	2,4-DICHLOROPHENOL	2/27/2014		Yes	N	U		U	190	9.9	ug/kg
CC-C-047-8-10-20140220	480-55087-31	2,4,6-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	190	12	ug/kg
CC-C-047-8-10-20140220	480-55087-31	4-NITROPHENOL	2/27/2014		Yes	N	U	UJ	UJ	370	46	ug/kg
CC-C-047-8-10-20140220	480-55087-31	4,6-DINITRO-2-METHYLPHENOL	2/27/2014		Yes	N	U		U	370	65	ug/kg
CC-C-047-8-10-20140220	480-55087-31	HEXACHLOROCYCLOPENTADIENE	2/27/2014		Yes	N	U	UJ	UJ	190	57	ug/kg
CC-C-047-8-10-20140220	480-55087-31	3-NITROANILINE	2/27/2014		Yes	N	U		U	370	44	ug/kg
DUP026-20140220	480-55087-12	ACENAPHTHYLENE	2/26/2014		Yes	N	U		U	1900	15	ug/kg
DUP026-20140220	480-55087-12	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	1900	100	ug/kg
DUP026-20140220	480-55087-12	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		U	3600	100	ug/kg
DUP026-20140220	480-55087-12	2,4-DINITROPHENOL	2/26/2014		Yes	N	U		U	3600	640	ug/kg
DUP026-20140220	480-55087-12	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	1900	500	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP026-20140220	480-55087-12	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	1900	96	ug/kg
DUP026-20140220	480-55087-12	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	1900	120	ug/kg
DUP026-20140220	480-55087-12	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		U	1900	450	ug/kg
DUP026-20140220	480-55087-12	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	3600	630	ug/kg
DUP026-20140220	480-55087-12	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		U	1900	120	ug/kg
DUP026-20140220	480-55087-12	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		U	1900	150	ug/kg
DUP026-20140220	480-55087-12	NITROBENZENE	2/26/2014		Yes	N	U		U	1900	81	ug/kg
DUP026-20140220	480-55087-12	ISOPHORONE	2/26/2014		Yes	N	U		U	1900	92	ug/kg
DUP026-20140220	480-55087-12	PYRENE	2/26/2014	1100	Yes	Y	J		J	1900	12	ug/kg
DUP026-20140220	480-55087-12	4-NITROPHENOL	2/26/2014		Yes	N	U		U	3600	450	ug/kg
DUP026-20140220	480-55087-12	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	1900	39	ug/kg
DUP026-20140220	480-55087-12	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	1900	400	ug/kg
DUP026-20140220	480-55087-12	3-NITROANILINE	2/26/2014		Yes	N	U		U	3600	420	ug/kg
DUP026-20140220	480-55087-12	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	1900	100	ug/kg
DUP026-20140220	480-55087-12	PHENOL	2/26/2014		Yes	N	U		U	1900	190	ug/kg
DUP026-20140220	480-55087-12	PHENANTHRENE	2/26/2014	880	Yes	Y	J		J	1900	39	ug/kg
DUP026-20140220	480-55087-12	4-CHLOROANILINE	2/26/2014		Yes	N	U		U	1900	540	ug/kg
DUP026-20140220	480-55087-12	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		U	1900	76	ug/kg
DUP026-20140220	480-55087-12	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	1900	280	ug/kg
DUP026-20140220	480-55087-12	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	3600	630	ug/kg
DUP026-20140220	480-55087-12	INDENO(1,2,3-C,D)PYRENE	2/26/2014		Yes	N	U		U	1900	51	ug/kg
DUP026-20140220	480-55087-12	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U		U	1900	1600	ug/kg
DUP026-20140220	480-55087-12	2-NITROPHENOL	2/26/2014		Yes	N	U		U	1900	84	ug/kg
DUP026-20140220	480-55087-12	2-NITROANILINE	2/26/2014		Yes	N	U		U	3600	590	ug/kg
DUP026-20140220	480-55087-12	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U	1900	57	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP026-20140220	480-55087-12	2-METHYLNAPHTHALENE	2/26/2014	290	Yes	Y	J		J	1900	22	ug/kg
DUP026-20140220	480-55087-12	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	1900	94	ug/kg
DUP026-20140220	480-55087-12	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	1900	580	ug/kg
DUP026-20140220	480-55087-12	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014		Yes	N	U		U	1900	590	ug/kg
DUP026-20140220	480-55087-12	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	1900	640	ug/kg
DUP026-20140220	480-55087-12	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	1900	48	ug/kg
DUP026-20140220	480-55087-12	4-NITROANILINE	2/26/2014		Yes	N	U		U	3600	210	ug/kg
DUP026-20140220	480-55087-12	DIBENZOFURAN	2/26/2014	110	Yes	Y	J		J	1900	19	ug/kg
DUP026-20140220	480-55087-12	NAPHTHALENE	2/26/2014	160	Yes	Y	J		J	1900	31	ug/kg
DUP026-20140220	480-55087-12	CHRYSENE	2/26/2014	640	Yes	Y	J		J	1900	18	ug/kg
DUP026-20140220	480-55087-12	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U		U	1900	43	ug/kg
DUP026-20140220	480-55087-12	CAPROLACTAM	2/26/2014		Yes	N	U		U	1900	800	ug/kg
DUP026-20140220	480-55087-12	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	1900	56	ug/kg
DUP026-20140220	480-55087-12	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	1900	190	ug/kg
DUP026-20140220	480-55087-12	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	1900	160	ug/kg
DUP026-20140220	480-55087-12	BENZO(G,H,I)PERYLENE	2/26/2014	820	Yes	Y	J		J	1900	22	ug/kg
DUP026-20140220	480-55087-12	BENZO(K)FLUORANTHENE	2/26/2014	320	Yes	Y	J		J	1900	20	ug/kg
DUP026-20140220	480-55087-12	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	1900	490	ug/kg
DUP026-20140220	480-55087-12	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	1900	110	ug/kg
DUP026-20140220	480-55087-12	CARBAZOLE	2/26/2014		Yes	N	U		U	1900	21	ug/kg
DUP026-20140220	480-55087-12	ATRAZINE	2/26/2014		Yes	N	U		U	1900	82	ug/kg
DUP026-20140220	480-55087-12	ACENAPHTHENE	2/26/2014	180	Yes	Y	J		J	1900	22	ug/kg
DUP026-20140220	480-55087-12	DIBENZ(A,H)ANTHRACENE	2/26/2014		Yes	N	U		U	1900	22	ug/kg
DUP026-20140220	480-55087-12	ANTHRACENE	2/26/2014	270	Yes	Y	J		J	1900	47	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP026-20140220	480-55087-12	FLUORANTHENE	2/26/2014	860	Yes	Y	J		J	1900	27	ug/kg
DUP026-20140220	480-55087-12	BENZALDEHYDE	2/26/2014		Yes	N	U		U	1900	200	ug/kg
DUP026-20140220	480-55087-12	BENZO(A)ANTHRACENE	2/26/2014	580	Yes	Y	J		J	1900	32	ug/kg
DUP026-20140220	480-55087-12	FLUORENE	2/26/2014	140	Yes	Y	J		J	1900	42	ug/kg
DUP026-20140220	480-55087-12	BENZO(B)FLUORANTHENE	2/26/2014	730	Yes	Y	J		J	1900	36	ug/kg
DUP026-20140220	480-55087-12	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	1900	140	ug/kg
DUP026-20140220	480-55087-12	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U		U	1900	560	ug/kg
DUP026-20140220	480-55087-12	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	1900	94	ug/kg
DUP026-20140220	480-55087-12	HEXACHLOBENZENE	2/26/2014		Yes	N	U		U	1900	91	ug/kg
DUP026-20140220	480-55087-12	BENZO(A)PYRENE	2/26/2014	610	Yes	Y	J		J	1900	44	ug/kg
DUP026-20140220	480-55087-12	ACETOPHENONE	2/26/2014		Yes	N	U		U	1900	94	ug/kg
FB027-20140220	480-55087-17	2-CHLOROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.53	ug/l
FB027-20140220	480-55087-17	2-CHLORONAPHTHALENE	2/25/2014		Yes	N	U		U	5.0	0.46	ug/l
FB027-20140220	480-55087-17	2,6-DINITROTOLUENE	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
FB027-20140220	480-55087-17	2,4-DINITROTOLUENE	2/25/2014		Yes	N	U		U	5.0	0.45	ug/l
FB027-20140220	480-55087-17	2,4-DINITROPHENOL	2/25/2014		Yes	N	U		U	10	2.2	ug/l
FB027-20140220	480-55087-17	2,4-DIMETHYLPHENOL	2/25/2014		Yes	N	U		U	5.0	0.50	ug/l
FB027-20140220	480-55087-17	2,4,6-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.61	ug/l
FB027-20140220	480-55087-17	PYRENE	2/25/2014		Yes	N	U		U	5.0	0.34	ug/l
FB027-20140220	480-55087-17	2-METHYLNAPHTHALENE	2/25/2014		Yes	N	U		U	5.0	0.60	ug/l
FB027-20140220	480-55087-17	2,4-DICHLOROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.51	ug/l
FB027-20140220	480-55087-17	BENZO(A)PYRENE	2/25/2014		Yes	N	U		U	5.0	0.47	ug/l
FB027-20140220	480-55087-17	HEXACHLOROCYCLOPENTADIENE	2/25/2014		Yes	N	U		U	5.0	0.59	ug/l
FB027-20140220	480-55087-17	HEXACHLOBENZENE	2/25/2014		Yes	N	U		U	5.0	0.51	ug/l
FB027-20140220	480-55087-17	FLUORANTHENE	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB027-20140220	480-55087-17	DI-N-OCTYLPHthalate	2/25/2014		Yes	N	U		U	5.0	0.47	ug/l
FB027-20140220	480-55087-17	DI-N-BUTYL PHTHALATE	2/25/2014	0.52	Yes	Y	J		J	5.0	0.31	ug/l
FB027-20140220	480-55087-17	DIMETHYL PHTHALATE	2/25/2014		Yes	N	U		U	5.0	0.36	ug/l
FB027-20140220	480-55087-17	DIETHYL PHTHALATE	2/25/2014		Yes	N	U		U	5.0	0.22	ug/l
FB027-20140220	480-55087-17	DIBENZOFURAN	2/25/2014		Yes	N	U		U	10	0.51	ug/l
FB027-20140220	480-55087-17	DIBENZ(A,H)ANTHRACENE	2/25/2014		Yes	N	U		U	5.0	0.42	ug/l
FB027-20140220	480-55087-17	CHRYSENE	2/25/2014		Yes	N	U		U	5.0	0.33	ug/l
FB027-20140220	480-55087-17	2-METHYLPHENOL (O-CRESOL)	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
FB027-20140220	480-55087-17	HEXACHLOROETHANE	2/25/2014		Yes	N	U		U	5.0	0.59	ug/l
FB027-20140220	480-55087-17	BENZO(A)ANTHRACENE	2/25/2014		Yes	N	U		U	5.0	0.36	ug/l
FB027-20140220	480-55087-17	HEXACHLOROBUTADIENE	2/25/2014		Yes	N	U		U	5.0	0.68	ug/l
FB027-20140220	480-55087-17	BENZO(B)FLUORANTHENE	2/25/2014		Yes	N	U		U	5.0	0.34	ug/l
FB027-20140220	480-55087-17	BENZO(G,H,I)PERYLENE	2/25/2014		Yes	N	U		U	5.0	0.35	ug/l
FB027-20140220	480-55087-17	BENZO(K)FLUORANTHENE	2/25/2014		Yes	N	U		U	5.0	0.73	ug/l
FB027-20140220	480-55087-17	BENZYL BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	5.0	0.42	ug/l
FB027-20140220	480-55087-17	BIPHENYL (DIPHENYL)	2/25/2014		Yes	N	U		U	5.0	0.65	ug/l
FB027-20140220	480-55087-17	BIS(2-CHLOROETHOXY) METHANE	2/25/2014		Yes	N	U		U	5.0	0.35	ug/l
FB027-20140220	480-55087-17	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
FB027-20140220	480-55087-17	BIS(2-CHLOROISOPROPYL) ETHER	2/25/2014		Yes	N	U		U	5.0	0.52	ug/l
FB027-20140220	480-55087-17	BIS(2-ETHYLHEXYL) PHTHALATE	2/25/2014		Yes	N	U		U	5.0	1.8	ug/l
FB027-20140220	480-55087-17	CAPROLACTAM	2/25/2014		Yes	N	U		U	5.0	2.2	ug/l
FB027-20140220	480-55087-17	CARBAZOLE	2/25/2014		Yes	N	U		U	5.0	0.30	ug/l
FB027-20140220	480-55087-17	2,4,5-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.48	ug/l
FB027-20140220	480-55087-17	ACETOPHENONE	2/25/2014		Yes	N	U		U	5.0	0.54	ug/l

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB027-20140220	480-55087-17	4-CHLOROANILINE	2/25/2014		Yes	N	U		U	5.0	0.59	ug/l
FB027-20140220	480-55087-17	4-CHLOROPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	5.0	0.35	ug/l
FB027-20140220	480-55087-17	4-METHYLPHENOL (P-CRESOL)	2/25/2014		Yes	N	U		U	10	0.36	ug/l
FB027-20140220	480-55087-17	4-NITROANILINE	2/25/2014		Yes	N	U		U	10	0.25	ug/l
FB027-20140220	480-55087-17	4-NITROPHENOL	2/25/2014		Yes	N	U		U	10	1.5	ug/l
FB027-20140220	480-55087-17	4-CHLORO-3-METHYLPHENOL	2/25/2014		Yes	N	U		U	5.0	0.45	ug/l
FB027-20140220	480-55087-17	ACENAPHTHENE	2/25/2014		Yes	N	U		U	5.0	0.41	ug/l
FB027-20140220	480-55087-17	FLUORENE	2/25/2014		Yes	N	U		U	5.0	0.36	ug/l
FB027-20140220	480-55087-17	4-BROMOPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	5.0	0.45	ug/l
FB027-20140220	480-55087-17	INDENO(1,2,3-C,D)PYRENE	2/25/2014		Yes	N	U		U	5.0	0.47	ug/l
FB027-20140220	480-55087-17	4,6-DINITRO-2-METHYLPHENOL	2/25/2014		Yes	N	U		U	10	2.2	ug/l
FB027-20140220	480-55087-17	PHENOL	2/25/2014		Yes	N	U		U	5.0	0.39	ug/l
FB027-20140220	480-55087-17	3,3'-DICHLOROBENZIDINE	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
FB027-20140220	480-55087-17	ACENAPHTHYLENE	2/25/2014		Yes	N	U		U	5.0	0.38	ug/l
FB027-20140220	480-55087-17	ANTHRACENE	2/25/2014		Yes	N	U		U	5.0	0.28	ug/l
FB027-20140220	480-55087-17	ATRAZINE	2/25/2014		Yes	N	U		U	5.0	0.46	ug/l
FB027-20140220	480-55087-17	BENZALDEHYDE	2/25/2014		Yes	N	U		U	5.0	0.27	ug/l
FB027-20140220	480-55087-17	PHENANTHRENE	2/25/2014		Yes	N	U		U	5.0	0.44	ug/l
FB027-20140220	480-55087-17	PENTACHLOROPHENOL	2/25/2014		Yes	N	U		U	10	2.2	ug/l
FB027-20140220	480-55087-17	N-NITROSODIPHENYLAMINE	2/25/2014		Yes	N	U		U	5.0	0.51	ug/l
FB027-20140220	480-55087-17	N-NITROSODI-N-PROPYLAMINE	2/25/2014		Yes	N	U		U	5.0	0.54	ug/l
FB027-20140220	480-55087-17	2-NITROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.48	ug/l
FB027-20140220	480-55087-17	NITROBENZENE	2/25/2014		Yes	N	U		U	5.0	0.29	ug/l
FB027-20140220	480-55087-17	2-NITROANILINE	2/25/2014		Yes	N	U		U	10	0.42	ug/l
FB027-20140220	480-55087-17	NAPHTHALENE	2/25/2014		Yes	N	U		U	5.0	0.76	ug/l

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB027-20140220	480-55087-17	ISOPHORONE	2/25/2014		Yes	N	U		U	5.0	0.43	ug/l
FB027-20140220	480-55087-17	3-NITROANILINE	2/25/2014		Yes	N	U		U	10	0.48	ug/l
LT-C-048-0-2-20140220	480-55087-22	BENZO(K)FLUORANTHENE	2/26/2014		Yes	N	U		U	190	2.0	ug/kg
LT-C-048-0-2-20140220	480-55087-22	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	190	12	ug/kg
LT-C-048-0-2-20140220	480-55087-22	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	190	10	ug/kg
LT-C-048-0-2-20140220	480-55087-22	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	190	16	ug/kg
LT-C-048-0-2-20140220	480-55087-22	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	190	19	ug/kg
LT-C-048-0-2-20140220	480-55087-22	BENZO(G,H,I)PERYLENE	2/26/2014	150	Yes	Y	J		J	190	2.2	ug/kg
LT-C-048-0-2-20140220	480-55087-22	ACETOPHENONE	2/26/2014		Yes	N	U		U	190	9.5	ug/kg
LT-C-048-0-2-20140220	480-55087-22	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	190	50	ug/kg
LT-C-048-0-2-20140220	480-55087-22	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U		U	190	160	ug/kg
LT-C-048-0-2-20140220	480-55087-22	BENZO(B)FLUORANTHENE	2/26/2014		Yes	N	U		U	190	3.6	ug/kg
LT-C-048-0-2-20140220	480-55087-22	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	190	41	ug/kg
LT-C-048-0-2-20140220	480-55087-22	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	190	12	ug/kg
LT-C-048-0-2-20140220	480-55087-22	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	190	9.7	ug/kg
LT-C-048-0-2-20140220	480-55087-22	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	190	50	ug/kg
LT-C-048-0-2-20140220	480-55087-22	2,4-DINITROPHENOL	2/26/2014		Yes	N	U		U	360	65	ug/kg
LT-C-048-0-2-20140220	480-55087-22	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	190	29	ug/kg
LT-C-048-0-2-20140220	480-55087-22	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		U	190	45	ug/kg
LT-C-048-0-2-20140220	480-55087-22	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		U	190	12	ug/kg
LT-C-048-0-2-20140220	480-55087-22	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	190	9.5	ug/kg
LT-C-048-0-2-20140220	480-55087-22	2-METHYLNAPHTHALENE	2/26/2014		Yes	N	U		U	190	2.3	ug/kg
LT-C-048-0-2-20140220	480-55087-22	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U	190	5.7	ug/kg
LT-C-048-0-2-20140220	480-55087-22	ATRAZINE	2/26/2014		Yes	N	U		U	190	8.3	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-048-0-2-20140220	480-55087-22	2-NITROPHENOL	2/26/2014		Yes	N	U		U	190	8.5	ug/kg
LT-C-048-0-2-20140220	480-55087-22	BENZO(A)PYRENE	2/26/2014		Yes	N	U		U	190	4.5	ug/kg
LT-C-048-0-2-20140220	480-55087-22	3-NITROANILINE	2/26/2014		Yes	N	U		U	360	43	ug/kg
LT-C-048-0-2-20140220	480-55087-22	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	360	64	ug/kg
LT-C-048-0-2-20140220	480-55087-22	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	190	59	ug/kg
LT-C-048-0-2-20140220	480-55087-22	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		U	190	7.6	ug/kg
LT-C-048-0-2-20140220	480-55087-22	4-CHLOROANILINE	2/26/2014		Yes	N	U		U	190	55	ug/kg
LT-C-048-0-2-20140220	480-55087-22	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	190	4.0	ug/kg
LT-C-048-0-2-20140220	480-55087-22	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		U	360	10	ug/kg
LT-C-048-0-2-20140220	480-55087-22	4-NITROANILINE	2/26/2014		Yes	N	U		U	360	21	ug/kg
LT-C-048-0-2-20140220	480-55087-22	4-NITROPHENOL	2/26/2014		Yes	N	U		U	360	45	ug/kg
LT-C-048-0-2-20140220	480-55087-22	ACENAPHTHENE	2/26/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-048-0-2-20140220	480-55087-22	ACENAPHTHYLENE	2/26/2014		Yes	N	U		U	190	1.5	ug/kg
LT-C-048-0-2-20140220	480-55087-22	ANTHRACENE	2/26/2014		Yes	N	U		U	190	4.8	ug/kg
LT-C-048-0-2-20140220	480-55087-22	BENZALDEHYDE	2/26/2014		Yes	N	U		U	190	20	ug/kg
LT-C-048-0-2-20140220	480-55087-22	2-NITROANILINE	2/26/2014		Yes	N	U		U	360	60	ug/kg
LT-C-048-0-2-20140220	480-55087-22	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U		U	190	56	ug/kg
LT-C-048-0-2-20140220	480-55087-22	CARBAZOLE	2/26/2014		Yes	N	U		U	190	2.1	ug/kg
LT-C-048-0-2-20140220	480-55087-22	CHRYSENE	2/26/2014		Yes	N	U		U	190	1.9	ug/kg
LT-C-048-0-2-20140220	480-55087-22	DIBENZ(A,H)ANTHRACENE	2/26/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-048-0-2-20140220	480-55087-22	DIBENZOFURAN	2/26/2014		Yes	N	U		U	190	1.9	ug/kg
LT-C-048-0-2-20140220	480-55087-22	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	190	5.6	ug/kg
LT-C-048-0-2-20140220	480-55087-22	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	190	4.8	ug/kg
LT-C-048-0-2-20140220	480-55087-22	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	190	64	ug/kg
LT-C-048-0-2-20140220	480-55087-22	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U		U	190	4.3	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-048-0-2-20140220	480-55087-22	FLUORANTHENE	2/26/2014		Yes	N	U		U	190	2.7	ug/kg
LT-C-048-0-2-20140220	480-55087-22	FLUORENE	2/26/2014		Yes	N	U		U	190	4.3	ug/kg
LT-C-048-0-2-20140220	480-55087-22	CAPROLACTAM	2/26/2014		Yes	N	U		U	190	80	ug/kg
LT-C-048-0-2-20140220	480-55087-22	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	190	9.5	ug/kg
LT-C-048-0-2-20140220	480-55087-22	ISOPHORONE	2/26/2014		Yes	N	U		U	190	9.3	ug/kg
LT-C-048-0-2-20140220	480-55087-22	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	190	14	ug/kg
LT-C-048-0-2-20140220	480-55087-22	INDENO(1,2,3-C,D)PYRENE	2/26/2014		Yes	N	U		U	190	5.1	ug/kg
LT-C-048-0-2-20140220	480-55087-22	NAPHTHALENE	2/26/2014		Yes	N	U		U	190	3.1	ug/kg
LT-C-048-0-2-20140220	480-55087-22	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		U	190	15	ug/kg
LT-C-048-0-2-20140220	480-55087-22	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	190	10	ug/kg
LT-C-048-0-2-20140220	480-55087-22	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	360	64	ug/kg
LT-C-048-0-2-20140220	480-55087-22	PHENANTHRENE	2/26/2014		Yes	N	U		U	190	3.9	ug/kg
LT-C-048-0-2-20140220	480-55087-22	PHENOL	2/26/2014		Yes	N	U		U	190	20	ug/kg
LT-C-048-0-2-20140220	480-55087-22	PYRENE	2/26/2014		Yes	N	U		U	190	1.2	ug/kg
LT-C-048-0-2-20140220	480-55087-22	BENZO(A)ANTHRACENE	2/26/2014		Yes	N	U		U	190	3.2	ug/kg
LT-C-048-0-2-20140220	480-55087-22	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014		Yes	N	U		U	190	60	ug/kg
LT-C-048-0-2-20140220	480-55087-22	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	190	9.2	ug/kg
LT-C-048-0-2-20140220	480-55087-22	NITROBENZENE	2/26/2014		Yes	N	U		U	190	8.2	ug/kg
LT-C-048-2-4-20140220	480-55087-23	2-NITROANILINE	2/26/2014		Yes	N	U		U	370	60	ug/kg
LT-C-048-2-4-20140220	480-55087-23	2,4-DINITROPHENOL	2/26/2014		Yes	N	U		U	370	66	ug/kg
LT-C-048-2-4-20140220	480-55087-23	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	190	29	ug/kg
LT-C-048-2-4-20140220	480-55087-23	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		U	190	46	ug/kg
LT-C-048-2-4-20140220	480-55087-23	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		U	190	13	ug/kg
LT-C-048-2-4-20140220	480-55087-23	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	190	9.5	ug/kg
LT-C-048-2-4-20140220	480-55087-23	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	190	60	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-048-2-4-20140220	480-55087-23	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U	190	5.8	ug/kg
LT-C-048-2-4-20140220	480-55087-23	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	190	10	ug/kg
LT-C-048-2-4-20140220	480-55087-23	2-NITROPHENOL	2/26/2014		Yes	N	U		U	190	8.6	ug/kg
LT-C-048-2-4-20140220	480-55087-23	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U		U	190	160	ug/kg
LT-C-048-2-4-20140220	480-55087-23	3-NITROANILINE	2/26/2014		Yes	N	U		U	370	43	ug/kg
LT-C-048-2-4-20140220	480-55087-23	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	370	65	ug/kg
LT-C-048-2-4-20140220	480-55087-23	DIBENZOFURAN	2/26/2014		Yes	N	U		U	190	1.9	ug/kg
LT-C-048-2-4-20140220	480-55087-23	2-METHYLNAPHTHALENE	2/26/2014		Yes	N	U		U	190	2.3	ug/kg
LT-C-048-2-4-20140220	480-55087-23	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	190	14	ug/kg
LT-C-048-2-4-20140220	480-55087-23	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	190	5.7	ug/kg
LT-C-048-2-4-20140220	480-55087-23	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	190	4.9	ug/kg
LT-C-048-2-4-20140220	480-55087-23	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U		U	190	4.4	ug/kg
LT-C-048-2-4-20140220	480-55087-23	FLUORENE	2/26/2014		Yes	N	U		U	190	4.3	ug/kg
LT-C-048-2-4-20140220	480-55087-23	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	190	9.3	ug/kg
LT-C-048-2-4-20140220	480-55087-23	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	190	51	ug/kg
LT-C-048-2-4-20140220	480-55087-23	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U		U	190	57	ug/kg
LT-C-048-2-4-20140220	480-55087-23	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	370	64	ug/kg
LT-C-048-2-4-20140220	480-55087-23	INDENO(1,2,3-C,D)PYRENE	2/26/2014		Yes	N	U		U	190	5.2	ug/kg
LT-C-048-2-4-20140220	480-55087-23	ISOPHORONE	2/26/2014		Yes	N	U		U	190	9.4	ug/kg
LT-C-048-2-4-20140220	480-55087-23	NAPHTHALENE	2/26/2014		Yes	N	U		U	190	3.1	ug/kg
LT-C-048-2-4-20140220	480-55087-23	NITROBENZENE	2/26/2014		Yes	N	U		U	190	8.3	ug/kg
LT-C-048-2-4-20140220	480-55087-23	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		U	190	15	ug/kg
LT-C-048-2-4-20140220	480-55087-23	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		U	190	7.7	ug/kg
LT-C-048-2-4-20140220	480-55087-23	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	190	9.6	ug/kg
LT-C-048-2-4-20140220	480-55087-23	4-NITROPHENOL	2/26/2014		Yes	N	U		U	370	45	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-048-2-4-20140220	480-55087-23	DIBENZ(A,H)ANTHRACENE	2/26/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-048-2-4-20140220	480-55087-23	BENZALDEHYDE	2/26/2014		Yes	N	U		U	190	21	ug/kg
LT-C-048-2-4-20140220	480-55087-23	ATRAZINE	2/26/2014		Yes	N	U		U	190	8.3	ug/kg
LT-C-048-2-4-20140220	480-55087-23	ANTHRACENE	2/26/2014		Yes	N	U		U	190	4.8	ug/kg
LT-C-048-2-4-20140220	480-55087-23	ACETOPHENONE	2/26/2014		Yes	N	U		U	190	9.6	ug/kg
LT-C-048-2-4-20140220	480-55087-23	BENZO(A)ANTHRACENE	2/26/2014		Yes	N	U		U	190	3.2	ug/kg
LT-C-048-2-4-20140220	480-55087-23	ACENAPHTHENE	2/26/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-048-2-4-20140220	480-55087-23	BENZO(A)PYRENE	2/26/2014		Yes	N	U		U	190	4.5	ug/kg
LT-C-048-2-4-20140220	480-55087-23	4-NITROANILINE	2/26/2014		Yes	N	U		U	370	21	ug/kg
LT-C-048-2-4-20140220	480-55087-23	PYRENE	2/26/2014		Yes	N	U		U	190	1.2	ug/kg
LT-C-048-2-4-20140220	480-55087-23	PHENOL	2/26/2014		Yes	N	U		U	190	20	ug/kg
LT-C-048-2-4-20140220	480-55087-23	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	190	9.8	ug/kg
LT-C-048-2-4-20140220	480-55087-23	PHENANTHRENE	2/26/2014		Yes	N	U		U	190	3.9	ug/kg
LT-C-048-2-4-20140220	480-55087-23	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	190	12	ug/kg
LT-C-048-2-4-20140220	480-55087-23	ACENAPHTHYLENE	2/26/2014		Yes	N	U		U	190	1.5	ug/kg
LT-C-048-2-4-20140220	480-55087-23	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	190	16	ug/kg
LT-C-048-2-4-20140220	480-55087-23	4-CHLOROANILINE	2/26/2014		Yes	N	U		U	190	55	ug/kg
LT-C-048-2-4-20140220	480-55087-23	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	190	4.0	ug/kg
LT-C-048-2-4-20140220	480-55087-23	CHRYSENE	2/26/2014		Yes	N	U		U	190	1.9	ug/kg
LT-C-048-2-4-20140220	480-55087-23	CARBAZOLE	2/26/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-048-2-4-20140220	480-55087-23	CAPROLACTAM	2/26/2014		Yes	N	U		U	190	81	ug/kg
LT-C-048-2-4-20140220	480-55087-23	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	190	41	ug/kg
LT-C-048-2-4-20140220	480-55087-23	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	190	20	ug/kg
LT-C-048-2-4-20140220	480-55087-23	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	190	65	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-048-2-4-20140220	480-55087-23	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	190	10	ug/kg
LT-C-048-2-4-20140220	480-55087-23	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	190	12	ug/kg
LT-C-048-2-4-20140220	480-55087-23	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	190	50	ug/kg
LT-C-048-2-4-20140220	480-55087-23	BENZO(K)FLUORANTHENE	2/26/2014		Yes	N	U		U	190	2.1	ug/kg
LT-C-048-2-4-20140220	480-55087-23	BENZO(G,H,I)PERYLENE	2/26/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-048-2-4-20140220	480-55087-23	BENZO(B)FLUORANTHENE	2/26/2014		Yes	N	U		U	190	3.6	ug/kg
LT-C-048-2-4-20140220	480-55087-23	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014		Yes	N	U		U	190	60	ug/kg
LT-C-048-2-4-20140220	480-55087-23	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		U	370	10	ug/kg
LT-C-048-2-4-20140220	480-55087-23	FLUORANTHENE	2/26/2014		Yes	N	U		U	190	2.7	ug/kg
LT-C-048-6-8-20140220	480-55087-24	FLUORANTHENE	2/26/2014		Yes	N	U		U	200	2.9	ug/kg
LT-C-048-6-8-20140220	480-55087-24	ISOPHORONE	2/26/2014		Yes	N	U		U	200	10	ug/kg
LT-C-048-6-8-20140220	480-55087-24	CHRYSENE	2/26/2014		Yes	N	U		U	200	2.0	ug/kg
LT-C-048-6-8-20140220	480-55087-24	DIBENZ(A,H)ANTHRACENE	2/26/2014		Yes	N	U		U	200	2.4	ug/kg
LT-C-048-6-8-20140220	480-55087-24	DIBENZOFURAN	2/26/2014		Yes	N	U		U	200	2.1	ug/kg
LT-C-048-6-8-20140220	480-55087-24	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	200	6.1	ug/kg
LT-C-048-6-8-20140220	480-55087-24	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	200	5.3	ug/kg
LT-C-048-6-8-20140220	480-55087-24	CAPROLACTAM	2/26/2014		Yes	N	U		U	200	87	ug/kg
LT-C-048-6-8-20140220	480-55087-24	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U		U	200	4.7	ug/kg
LT-C-048-6-8-20140220	480-55087-24	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014		Yes	N	U		U	200	65	ug/kg
LT-C-048-6-8-20140220	480-55087-24	FLUORENE	2/26/2014		Yes	N	U		U	200	4.6	ug/kg
LT-C-048-6-8-20140220	480-55087-24	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	200	10	ug/kg
LT-C-048-6-8-20140220	480-55087-24	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U		U	200	61	ug/kg
LT-C-048-6-8-20140220	480-55087-24	INDENO(1,2,3-C,D)PYRENE	2/26/2014		Yes	N	U		U	200	5.6	ug/kg
LT-C-048-6-8-20140220	480-55087-24	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	200	70	ug/kg
LT-C-048-6-8-20140220	480-55087-24	BENZO(G,H,I)PERYLENE	2/26/2014		Yes	N	U		U	200	2.4	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-048-6-8-20140220	480-55087-24	ACENAPHTHYLENE	2/26/2014		Yes	N	U		U	200	1.6	ug/kg
LT-C-048-6-8-20140220	480-55087-24	ACETOPHENONE	2/26/2014		Yes	N	U		U	200	10	ug/kg
LT-C-048-6-8-20140220	480-55087-24	ANTHRACENE	2/26/2014		Yes	N	U		U	200	5.2	ug/kg
LT-C-048-6-8-20140220	480-55087-24	ATRAZINE	2/26/2014		Yes	N	U		U	200	9.0	ug/kg
LT-C-048-6-8-20140220	480-55087-24	BENZALDEHYDE	2/26/2014		Yes	N	U		U	200	22	ug/kg
LT-C-048-6-8-20140220	480-55087-24	BENZO(A)ANTHRACENE	2/26/2014		Yes	N	U		U	200	3.5	ug/kg
LT-C-048-6-8-20140220	480-55087-24	CARBAZOLE	2/26/2014		Yes	N	U		U	200	2.3	ug/kg
LT-C-048-6-8-20140220	480-55087-24	BENZO(B)FLUORANTHENE	2/26/2014		Yes	N	U		U	200	3.9	ug/kg
LT-C-048-6-8-20140220	480-55087-24	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	200	16	ug/kg
LT-C-048-6-8-20140220	480-55087-24	BENZO(K)FLUORANTHENE	2/26/2014		Yes	N	U		U	200	2.2	ug/kg
LT-C-048-6-8-20140220	480-55087-24	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	200	54	ug/kg
LT-C-048-6-8-20140220	480-55087-24	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	200	13	ug/kg
LT-C-048-6-8-20140220	480-55087-24	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	200	11	ug/kg
LT-C-048-6-8-20140220	480-55087-24	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	200	17	ug/kg
LT-C-048-6-8-20140220	480-55087-24	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	200	21	ug/kg
LT-C-048-6-8-20140220	480-55087-24	BENZO(A)PYRENE	2/26/2014		Yes	N	U		U	200	4.9	ug/kg
LT-C-048-6-8-20140220	480-55087-24	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	200	31	ug/kg
LT-C-048-6-8-20140220	480-55087-24	2-NITROPHENOL	2/26/2014		Yes	N	U		U	200	9.2	ug/kg
LT-C-048-6-8-20140220	480-55087-24	2-NITROANILINE	2/26/2014		Yes	N	U		U	390	65	ug/kg
LT-C-048-6-8-20140220	480-55087-24	NAPHTHALENE	2/26/2014		Yes	N	U		U	200	3.4	ug/kg
LT-C-048-6-8-20140220	480-55087-24	2-METHYLNAPHTHALENE	2/26/2014		Yes	N	U		U	200	2.4	ug/kg
LT-C-048-6-8-20140220	480-55087-24	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	200	10	ug/kg
LT-C-048-6-8-20140220	480-55087-24	3,3'-DICHLOBENZIDINE	2/26/2014		Yes	N	U		U	200	180	ug/kg
LT-C-048-6-8-20140220	480-55087-24	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		U	200	49	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-048-6-8-20140220	480-55087-24	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U	200	6.2	ug/kg
LT-C-048-6-8-20140220	480-55087-24	2,4-DINITROPHENOL	2/26/2014		Yes	N	U		U	390	70	ug/kg
LT-C-048-6-8-20140220	480-55087-24	ACENAPHTHENE	2/26/2014		Yes	N	U		U	200	2.4	ug/kg
LT-C-048-6-8-20140220	480-55087-24	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	200	54	ug/kg
LT-C-048-6-8-20140220	480-55087-24	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	200	11	ug/kg
LT-C-048-6-8-20140220	480-55087-24	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	200	13	ug/kg
LT-C-048-6-8-20140220	480-55087-24	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	200	44	ug/kg
LT-C-048-6-8-20140220	480-55087-24	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		U	200	14	ug/kg
LT-C-048-6-8-20140220	480-55087-24	4-NITROPHENOL	2/26/2014		Yes	N	U		U	390	49	ug/kg
LT-C-048-6-8-20140220	480-55087-24	NITROBENZENE	2/26/2014		Yes	N	U		U	200	8.9	ug/kg
LT-C-048-6-8-20140220	480-55087-24	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		U	200	16	ug/kg
LT-C-048-6-8-20140220	480-55087-24	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	200	11	ug/kg
LT-C-048-6-8-20140220	480-55087-24	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	200	10	ug/kg
LT-C-048-6-8-20140220	480-55087-24	PHENANTHRENE	2/26/2014		Yes	N	U		U	200	4.2	ug/kg
LT-C-048-6-8-20140220	480-55087-24	3-NITROANILINE	2/26/2014		Yes	N	U		U	390	46	ug/kg
LT-C-048-6-8-20140220	480-55087-24	4-NITROANILINE	2/26/2014		Yes	N	U		U	390	22	ug/kg
LT-C-048-6-8-20140220	480-55087-24	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		U	390	11	ug/kg
LT-C-048-6-8-20140220	480-55087-24	PHENOL	2/26/2014		Yes	N	U		U	200	21	ug/kg
LT-C-048-6-8-20140220	480-55087-24	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	390	69	ug/kg
LT-C-048-6-8-20140220	480-55087-24	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	390	70	ug/kg
LT-C-048-6-8-20140220	480-55087-24	PYRENE	2/26/2014		Yes	N	U		U	200	1.3	ug/kg
LT-C-048-6-8-20140220	480-55087-24	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	200	64	ug/kg
LT-C-048-6-8-20140220	480-55087-24	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		U	200	8.3	ug/kg
LT-C-048-6-8-20140220	480-55087-24	4-CHLOROANILINE	2/26/2014		Yes	N	U		U	200	59	ug/kg
LT-C-048-6-8-20140220	480-55087-24	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	200	4.3	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-049-0-2-20140220	480-55087-32	BENZO(G,H,I)PERYLENE	2/27/2014	49	Yes	Y	J		J	180	2.2	ug/kg
LT-C-049-0-2-20140220	480-55087-32	2-CHLOROPHENOL	2/27/2014		Yes	N	U		U	180	9.3	ug/kg
LT-C-049-0-2-20140220	480-55087-32	2,4-DICHLOROPHENOL	2/27/2014		Yes	N	U		U	180	9.5	ug/kg
LT-C-049-0-2-20140220	480-55087-32	2,4-DIMETHYLPHENOL	2/27/2014		Yes	N	U		U	180	49	ug/kg
LT-C-049-0-2-20140220	480-55087-32	2,4-DINITROPHENOL	2/27/2014		Yes	N	U		U	360	64	ug/kg
LT-C-049-0-2-20140220	480-55087-32	2,4-DINITROTOLUENE	2/27/2014		Yes	N	U		U	180	28	ug/kg
LT-C-049-0-2-20140220	480-55087-32	2,6-DINITROTOLUENE	2/27/2014		Yes	N	U		U	180	45	ug/kg
LT-C-049-0-2-20140220	480-55087-32	2-CHLORONAPHTHALENE	2/27/2014		Yes	N	U		U	180	12	ug/kg
LT-C-049-0-2-20140220	480-55087-32	2,4,6-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	180	12	ug/kg
LT-C-049-0-2-20140220	480-55087-32	HEXACHLOROBUTADIENE	2/27/2014		Yes	N	U		U	180	9.3	ug/kg
LT-C-049-0-2-20140220	480-55087-32	BIS(2-ETHYLHEXYL) PHTHALATE	2/27/2014	180	Yes	Y				180	59	ug/kg
LT-C-049-0-2-20140220	480-55087-32	CAPROLACTAM	2/27/2014		Yes	N	U		U	180	79	ug/kg
LT-C-049-0-2-20140220	480-55087-32	CARBAZOLE	2/27/2014		Yes	N	U		U	180	2.1	ug/kg
LT-C-049-0-2-20140220	480-55087-32	CHRYSENE	2/27/2014	140	Yes	Y	J		J	180	1.8	ug/kg
LT-C-049-0-2-20140220	480-55087-32	DIBENZ(A,H)ANTHRACENE	2/27/2014		Yes	N	U		U	180	2.1	ug/kg
LT-C-049-0-2-20140220	480-55087-32	DIBENZOFURAN	2/27/2014		Yes	N	U		U	180	1.9	ug/kg
LT-C-049-0-2-20140220	480-55087-32	DIETHYL PHTHALATE	2/27/2014		Yes	N	U		U	180	5.5	ug/kg
LT-C-049-0-2-20140220	480-55087-32	DIMETHYL PHTHALATE	2/27/2014		Yes	N	U		U	180	4.7	ug/kg
LT-C-049-0-2-20140220	480-55087-32	DI-N-BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	180	63	ug/kg
LT-C-049-0-2-20140220	480-55087-32	DI-N-OCTYLPHTHALATE	2/27/2014		Yes	N	U		U	180	4.3	ug/kg
LT-C-049-0-2-20140220	480-55087-32	FLUORANTHENE	2/27/2014	240	Yes	Y				180	2.6	ug/kg
LT-C-049-0-2-20140220	480-55087-32	BIS(2-CHLOROISOPROPYL) ETHER	2/27/2014		Yes	N	U		U	180	19	ug/kg
LT-C-049-0-2-20140220	480-55087-32	HEXACHLOROBENZENE	2/27/2014		Yes	N	U		U	180	9.0	ug/kg
LT-C-049-0-2-20140220	480-55087-32	HEXACHLOROCYCLOPENTADIENE	2/27/2014		Yes	N	U		U	180	55	ug/kg
LT-C-049-0-2-20140220	480-55087-32	HEXACHLOROETHANE	2/27/2014		Yes	N	U		U	180	14	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-049-0-2-20140220	480-55087-32	ISOPHORONE	2/27/2014		Yes	N	U		U	180	9.1	ug/kg
LT-C-049-0-2-20140220	480-55087-32	NAPHTHALENE	2/27/2014		Yes	N	U		U	180	3.0	ug/kg
LT-C-049-0-2-20140220	480-55087-32	NITROBENZENE	2/27/2014		Yes	N	U		U	180	8.1	ug/kg
LT-C-049-0-2-20140220	480-55087-32	N-NITROSODI-N-PROPYLAMINE	2/27/2014		Yes	N	U		U	180	14	ug/kg
LT-C-049-0-2-20140220	480-55087-32	N-NITROSODIPHENYLAMINE	2/27/2014		Yes	N	U		U	180	9.9	ug/kg
LT-C-049-0-2-20140220	480-55087-32	PENTACHLOROPHENOL	2/27/2014		Yes	N	U		U	360	62	ug/kg
LT-C-049-0-2-20140220	480-55087-32	PHENANTHRENE	2/27/2014	74	Yes	Y	J		J	180	3.8	ug/kg
LT-C-049-0-2-20140220	480-55087-32	PHENOL	2/27/2014		Yes	N	U		U	180	19	ug/kg
LT-C-049-0-2-20140220	480-55087-32	PYRENE	2/27/2014	200	Yes	Y				180	1.2	ug/kg
LT-C-049-0-2-20140220	480-55087-32	2-METHYLNAPHTHALENE	2/27/2014		Yes	N	U		U	180	2.2	ug/kg
LT-C-049-0-2-20140220	480-55087-32	BENZO(A)PYRENE	2/27/2014	140	Yes	Y	J		J	180	4.4	ug/kg
LT-C-049-0-2-20140220	480-55087-32	FLUORENE	2/27/2014		Yes	N	U		U	180	4.2	ug/kg
LT-C-049-0-2-20140220	480-55087-32	4-CHLOROANILINE	2/27/2014		Yes	N	U		U	180	53	ug/kg
LT-C-049-0-2-20140220	480-55087-32	2-METHYLPHENOL (O-CRESOL)	2/27/2014		Yes	N	U		U	180	5.6	ug/kg
LT-C-049-0-2-20140220	480-55087-32	INDENO(1,2,3-C,D)PYRENE	2/27/2014	45	Yes	Y	J		J	180	5.0	ug/kg
LT-C-049-0-2-20140220	480-55087-32	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/27/2014		Yes	N	U		U	180	16	ug/kg
LT-C-049-0-2-20140220	480-55087-32	2-NITROPHENOL	2/27/2014		Yes	N	U		U	180	8.3	ug/kg
LT-C-049-0-2-20140220	480-55087-32	3,3'-DICHLOOROBENZIDINE	2/27/2014		Yes	N	U		U	180	160	ug/kg
LT-C-049-0-2-20140220	480-55087-32	3-NITROANILINE	2/27/2014		Yes	N	U		U	360	42	ug/kg
LT-C-049-0-2-20140220	480-55087-32	4,6-DINITRO-2-METHYLPHENOL	2/27/2014		Yes	N	U		U	360	63	ug/kg
LT-C-049-0-2-20140220	480-55087-32	4-CHLORO-3-METHYLPHENOL	2/27/2014		Yes	N	U		U	180	7.5	ug/kg
LT-C-049-0-2-20140220	480-55087-32	2-NITROANILINE	2/27/2014		Yes	N	U		U	360	58	ug/kg
LT-C-049-0-2-20140220	480-55087-32	4-CHLOROPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		U	180	3.9	ug/kg
LT-C-049-0-2-20140220	480-55087-32	4-METHYLPHENOL (P-CRESOL)	2/27/2014		Yes	N	U		U	360	10	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-049-0-2-20140220	480-55087-32	4-NITROANILINE	2/27/2014		Yes	N	U		U	360	20	ug/kg
LT-C-049-0-2-20140220	480-55087-32	4-NITROPHENOL	2/27/2014		Yes	N	U		U	360	44	ug/kg
LT-C-049-0-2-20140220	480-55087-32	BENZO(A)ANTHRACENE	2/27/2014	130	Yes	Y	J		J	180	3.1	ug/kg
LT-C-049-0-2-20140220	480-55087-32	BIS(2-CHLOROETHOXY) METHANE	2/27/2014		Yes	N	U		U	180	9.9	ug/kg
LT-C-049-0-2-20140220	480-55087-32	BIPHENYL (DIPHENYL)	2/27/2014		Yes	N	U		U	180	11	ug/kg
LT-C-049-0-2-20140220	480-55087-32	4-BROMOPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		U	180	58	ug/kg
LT-C-049-0-2-20140220	480-55087-32	ACENAPHTHENE	2/27/2014	11	Yes	Y	J		J	180	2.1	ug/kg
LT-C-049-0-2-20140220	480-55087-32	BENZO(K)FLUORANTHENE	2/27/2014	88	Yes	Y	J		J	180	2.0	ug/kg
LT-C-049-0-2-20140220	480-55087-32	BENZO(B)FLUORANTHENE	2/27/2014	200	Yes	Y				180	3.5	ug/kg
LT-C-049-0-2-20140220	480-55087-32	BENZYL BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	180	49	ug/kg
LT-C-049-0-2-20140220	480-55087-32	BENZALDEHYDE	2/27/2014		Yes	N	U		U	180	20	ug/kg
LT-C-049-0-2-20140220	480-55087-32	ATRAZINE	2/27/2014		Yes	N	U		U	180	8.1	ug/kg
LT-C-049-0-2-20140220	480-55087-32	ANTHRACENE	2/27/2014	30	Yes	Y	J		J	180	4.7	ug/kg
LT-C-049-0-2-20140220	480-55087-32	ACETOPHENONE	2/27/2014		Yes	N	U		U	180	9.3	ug/kg
LT-C-049-0-2-20140220	480-55087-32	ACENAPHTHYLENE	2/27/2014		Yes	N	U		U	180	1.5	ug/kg
LT-C-049-0-2-20140220	480-55087-32	2,4,5-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	180	40	ug/kg
LT-C-049-2-4-20140220	480-55087-33	DIMETHYL PHTHALATE	2/27/2014		Yes	N	U		U	200	5.1	ug/kg
LT-C-049-2-4-20140220	480-55087-33	CHRYSENE	2/27/2014		Yes	N	U		U	200	2.0	ug/kg
LT-C-049-2-4-20140220	480-55087-33	DIETHYL PHTHALATE	2/27/2014		Yes	N	U		U	200	5.9	ug/kg
LT-C-049-2-4-20140220	480-55087-33	DI-N-BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	200	68	ug/kg
LT-C-049-2-4-20140220	480-55087-33	DIBENZOFURAN	2/27/2014		Yes	N	U		U	200	2.0	ug/kg
LT-C-049-2-4-20140220	480-55087-33	DIBENZ(A,H)ANTHRACENE	2/27/2014		Yes	N	U		U	200	2.3	ug/kg
LT-C-049-2-4-20140220	480-55087-33	DI-N-OCTYLPHTHALATE	2/27/2014		Yes	N	U		U	200	4.6	ug/kg
LT-C-049-2-4-20140220	480-55087-33	CARBAZOLE	2/27/2014		Yes	N	U		U	200	2.3	ug/kg
LT-C-049-2-4-20140220	480-55087-33	CAPROLACTAM	2/27/2014		Yes	N	U		U	200	85	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-049-2-4-20140220	480-55087-33	BIS(2-ETHYLHEXYL) PHTHALATE	2/27/2014		Yes	N	U		U	200	63	ug/kg
LT-C-049-2-4-20140220	480-55087-33	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/27/2014		Yes	N	U		U	200	17	ug/kg
LT-C-049-2-4-20140220	480-55087-33	FLUORANTHENE	2/27/2014		Yes	N	U		U	200	2.8	ug/kg
LT-C-049-2-4-20140220	480-55087-33	BIS(2-CHLOROETHOXY) METHANE	2/27/2014		Yes	N	U		U	200	11	ug/kg
LT-C-049-2-4-20140220	480-55087-33	BIPHENYL (DIPHENYL)	2/27/2014		Yes	N	U		U	200	12	ug/kg
LT-C-049-2-4-20140220	480-55087-33	BIS(2-CHLOROISOPROPYL) ETHER	2/27/2014		Yes	N	U		U	200	20	ug/kg
LT-C-049-2-4-20140220	480-55087-33	NAPHTHALENE	2/27/2014		Yes	N	U		U	200	3.3	ug/kg
LT-C-049-2-4-20140220	480-55087-33	2,4-DINITROPHENOL	2/27/2014		Yes	N	U		U	380	69	ug/kg
LT-C-049-2-4-20140220	480-55087-33	BENZYL BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	200	53	ug/kg
LT-C-049-2-4-20140220	480-55087-33	PYRENE	2/27/2014		Yes	N	U		U	200	1.3	ug/kg
LT-C-049-2-4-20140220	480-55087-33	PHENOL	2/27/2014		Yes	N	U		U	200	21	ug/kg
LT-C-049-2-4-20140220	480-55087-33	PHENANTHRENE	2/27/2014		Yes	N	U		U	200	4.1	ug/kg
LT-C-049-2-4-20140220	480-55087-33	N-NITROSODIPHENYLAMINE	2/27/2014		Yes	N	U		U	200	11	ug/kg
LT-C-049-2-4-20140220	480-55087-33	PENTACHLOROPHENOL	2/27/2014		Yes	N	U		U	380	67	ug/kg
LT-C-049-2-4-20140220	480-55087-33	NITROBENZENE	2/27/2014		Yes	N	U		U	200	8.7	ug/kg
LT-C-049-2-4-20140220	480-55087-33	FLUORENE	2/27/2014		Yes	N	U		U	200	4.5	ug/kg
LT-C-049-2-4-20140220	480-55087-33	ISOPHORONE	2/27/2014		Yes	N	U		U	200	9.8	ug/kg
LT-C-049-2-4-20140220	480-55087-33	INDENO(1,2,3-C,D)PYRENE	2/27/2014		Yes	N	U		U	200	5.4	ug/kg
LT-C-049-2-4-20140220	480-55087-33	HEXACHLOROETHANE	2/27/2014		Yes	N	U		U	200	15	ug/kg
LT-C-049-2-4-20140220	480-55087-33	HEXACHLOROCYCLOPENTADIENE	2/27/2014		Yes	N	U		U	200	59	ug/kg
LT-C-049-2-4-20140220	480-55087-33	HEXACHLOROBUTADIENE	2/27/2014		Yes	N	U		U	200	10	ug/kg
LT-C-049-2-4-20140220	480-55087-33	HEXACHLOROBENZENE	2/27/2014		Yes	N	U		U	200	9.7	ug/kg
LT-C-049-2-4-20140220	480-55087-33	N-NITROSODI-N-PROPYLAMINE	2/27/2014		Yes	N	U		U	200	16	ug/kg
LT-C-049-2-4-20140220	480-55087-33	2-CHLOROPHENOL	2/27/2014		Yes	N	U		U	200	10	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-049-2-4-20140220	480-55087-33	4,6-DINITRO-2-METHYLPHENOL	2/27/2014		Yes	N	U		U	380	68	ug/kg
LT-C-049-2-4-20140220	480-55087-33	3-NITROANILINE	2/27/2014		Yes	N	U		U	380	45	ug/kg
LT-C-049-2-4-20140220	480-55087-33	3,3'-DICHLOROBENZIDINE	2/27/2014		Yes	N	U		U	200	170	ug/kg
LT-C-049-2-4-20140220	480-55087-33	2-NITROPHENOL	2/27/2014		Yes	N	U		U	200	9.0	ug/kg
LT-C-049-2-4-20140220	480-55087-33	2-NITROANILINE	2/27/2014		Yes	N	U		U	380	63	ug/kg
LT-C-049-2-4-20140220	480-55087-33	2,6-DINITROTOLUENE	2/27/2014		Yes	N	U		U	200	48	ug/kg
LT-C-049-2-4-20140220	480-55087-33	2-METHYLNAPHTHALENE	2/27/2014		Yes	N	U		U	200	2.4	ug/kg
LT-C-049-2-4-20140220	480-55087-33	4-CHLOROANILINE	2/27/2014		Yes	N	U		U	200	57	ug/kg
LT-C-049-2-4-20140220	480-55087-33	2-CHLORONAPHTHALENE	2/27/2014		Yes	N	U		U	200	13	ug/kg
LT-C-049-2-4-20140220	480-55087-33	2,4-DINITROTOLUENE	2/27/2014		Yes	N	U		U	200	30	ug/kg
LT-C-049-2-4-20140220	480-55087-33	2,4-DIMETHYLPHENOL	2/27/2014		Yes	N	U		U	200	53	ug/kg
LT-C-049-2-4-20140220	480-55087-33	2,4-DICHLOROPHENOL	2/27/2014		Yes	N	U		U	200	10	ug/kg
LT-C-049-2-4-20140220	480-55087-33	2,4,6-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	200	13	ug/kg
LT-C-049-2-4-20140220	480-55087-33	2,4,5-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	200	43	ug/kg
LT-C-049-2-4-20140220	480-55087-33	2-METHYLPHENOL (O-CRESOL)	2/27/2014		Yes	N	U		U	200	6.0	ug/kg
LT-C-049-2-4-20140220	480-55087-33	ACENAPHTHYLENE	2/27/2014		Yes	N	U		U	200	1.6	ug/kg
LT-C-049-2-4-20140220	480-55087-33	BENZO(G,H,I)PERYLENE	2/27/2014		Yes	N	U		U	200	2.4	ug/kg
LT-C-049-2-4-20140220	480-55087-33	BENZO(B)FLUORANTHENE	2/27/2014		Yes	N	U		U	200	3.8	ug/kg
LT-C-049-2-4-20140220	480-55087-33	BENZO(A)PYRENE	2/27/2014		Yes	N	U		U	200	4.7	ug/kg
LT-C-049-2-4-20140220	480-55087-33	BENZO(A)ANTHRACENE	2/27/2014		Yes	N	U		U	200	3.4	ug/kg
LT-C-049-2-4-20140220	480-55087-33	BENZALDEHYDE	2/27/2014		Yes	N	U		U	200	21	ug/kg
LT-C-049-2-4-20140220	480-55087-33	ATRAZINE	2/27/2014		Yes	N	U		U	200	8.7	ug/kg
LT-C-049-2-4-20140220	480-55087-33	4-BROMOPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		U	200	62	ug/kg
LT-C-049-2-4-20140220	480-55087-33	ACETOPHENONE	2/27/2014		Yes	N	U		U	200	10	ug/kg
LT-C-049-2-4-20140220	480-55087-33	4-CHLORO-3-METHYLPHENOL	2/27/2014		Yes	N	U		U	200	8.1	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-049-2-4-20140220	480-55087-33	ACENAPHTHENE	2/27/2014		Yes	N	U		U	200	2.3	ug/kg
LT-C-049-2-4-20140220	480-55087-33	4-NITROPHENOL	2/27/2014		Yes	N	U		U	380	47	ug/kg
LT-C-049-2-4-20140220	480-55087-33	4-NITROANILINE	2/27/2014		Yes	N	U		U	380	22	ug/kg
LT-C-049-2-4-20140220	480-55087-33	4-METHYLPHENOL (P-CRESOL)	2/27/2014		Yes	N	U		U	380	11	ug/kg
LT-C-049-2-4-20140220	480-55087-33	4-CHLOROPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		U	200	4.2	ug/kg
LT-C-049-2-4-20140220	480-55087-33	BENZO(K)FLUORANTHENE	2/27/2014		Yes	N	U		U	200	2.2	ug/kg
LT-C-049-2-4-20140220	480-55087-33	ANTHRACENE	2/27/2014		Yes	N	U		U	200	5.0	ug/kg
LT-C-049-8-10-20140220	480-55087-34	3,3'-DICHLOROBENZIDINE	2/27/2014		Yes	N	U		U	210	180	ug/kg
LT-C-049-8-10-20140220	480-55087-34	BENZO(A)ANTHRACENE	2/27/2014		Yes	N	U		U	210	3.6	ug/kg
LT-C-049-8-10-20140220	480-55087-34	BENZALDEHYDE	2/27/2014		Yes	N	U		U	210	23	ug/kg
LT-C-049-8-10-20140220	480-55087-34	ATRAZINE	2/27/2014		Yes	N	U		U	210	9.3	ug/kg
LT-C-049-8-10-20140220	480-55087-34	ANTHRACENE	2/27/2014		Yes	N	U		U	210	5.3	ug/kg
LT-C-049-8-10-20140220	480-55087-34	ACETOPHENONE	2/27/2014		Yes	N	U		U	210	11	ug/kg
LT-C-049-8-10-20140220	480-55087-34	ACENAPHTHYLENE	2/27/2014		Yes	N	U		U	210	1.7	ug/kg
LT-C-049-8-10-20140220	480-55087-34	ACENAPHTHENE	2/27/2014		Yes	N	U		U	210	2.5	ug/kg
LT-C-049-8-10-20140220	480-55087-34	4-NITROPHENOL	2/27/2014		Yes	N	U		U	410	51	ug/kg
LT-C-049-8-10-20140220	480-55087-34	4-NITROANILINE	2/27/2014		Yes	N	U		U	410	23	ug/kg
LT-C-049-8-10-20140220	480-55087-34	4-METHYLPHENOL (P-CRESOL)	2/27/2014		Yes	N	U		U	410	12	ug/kg
LT-C-049-8-10-20140220	480-55087-34	4-CHLOROANILINE	2/27/2014		Yes	N	U		U	210	61	ug/kg
LT-C-049-8-10-20140220	480-55087-34	4-CHLORO-3-METHYLPHENOL	2/27/2014		Yes	N	U		U	210	8.6	ug/kg
LT-C-049-8-10-20140220	480-55087-34	4-BROMOPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		U	210	66	ug/kg
LT-C-049-8-10-20140220	480-55087-34	4-CHLOROPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		U	210	4.5	ug/kg
LT-C-049-8-10-20140220	480-55087-34	2-CHLORONAPHTHALENE	2/27/2014		Yes	N	U		U	210	14	ug/kg
LT-C-049-8-10-20140220	480-55087-34	2,4,5-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	210	46	ug/kg
LT-C-049-8-10-20140220	480-55087-34	2,4,6-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	210	14	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-049-8-10-20140220	480-55087-34	2,4-DICHLOROPHENOL	2/27/2014		Yes	N	U		U	210	11	ug/kg
LT-C-049-8-10-20140220	480-55087-34	2,4-DIMETHYLPHENOL	2/27/2014		Yes	N	U		U	210	56	ug/kg
LT-C-049-8-10-20140220	480-55087-34	2,4-DINITROPHENOL	2/27/2014		Yes	N	U		U	410	73	ug/kg
LT-C-049-8-10-20140220	480-55087-34	4,6-DINITRO-2-METHYLPHENOL	2/27/2014		Yes	N	U		U	410	72	ug/kg
LT-C-049-8-10-20140220	480-55087-34	2,6-DINITROTOLUENE	2/27/2014		Yes	N	U		U	210	51	ug/kg
LT-C-049-8-10-20140220	480-55087-34	3-NITROANILINE	2/27/2014		Yes	N	U		U	410	48	ug/kg
LT-C-049-8-10-20140220	480-55087-34	2-CHLOROPHENOL	2/27/2014		Yes	N	U		U	210	11	ug/kg
LT-C-049-8-10-20140220	480-55087-34	2-METHYLNAPHTHALENE	2/27/2014		Yes	N	U		U	210	2.5	ug/kg
LT-C-049-8-10-20140220	480-55087-34	2-METHYLPHENOL (O-CRESOL)	2/27/2014		Yes	N	U		U	210	6.4	ug/kg
LT-C-049-8-10-20140220	480-55087-34	2-NITROANILINE	2/27/2014		Yes	N	U		U	410	67	ug/kg
LT-C-049-8-10-20140220	480-55087-34	2-NITROPHENOL	2/27/2014		Yes	N	U		U	210	9.5	ug/kg
LT-C-049-8-10-20140220	480-55087-34	BENZO(G,H,I)PERYLENE	2/27/2014		Yes	N	U		U	210	2.5	ug/kg
LT-C-049-8-10-20140220	480-55087-34	2,4-DINITROTOLUENE	2/27/2014		Yes	N	U		U	210	32	ug/kg
LT-C-049-8-10-20140220	480-55087-34	DIMETHYL PHTHALATE	2/27/2014		Yes	N	U		U	210	5.4	ug/kg
LT-C-049-8-10-20140220	480-55087-34	N-NITROSODIPHENYLAMINE	2/27/2014		Yes	N	U		U	210	11	ug/kg
LT-C-049-8-10-20140220	480-55087-34	N-NITROSODI-N-PROPYLAMINE	2/27/2014		Yes	N	U		U	210	17	ug/kg
LT-C-049-8-10-20140220	480-55087-34	NITROBENZENE	2/27/2014		Yes	N	U		U	210	9.3	ug/kg
LT-C-049-8-10-20140220	480-55087-34	NAPHTHALENE	2/27/2014		Yes	N	U		U	210	3.5	ug/kg
LT-C-049-8-10-20140220	480-55087-34	ISOPHORONE	2/27/2014		Yes	N	U		U	210	10	ug/kg
LT-C-049-8-10-20140220	480-55087-34	INDENO(1,2,3-C,D)PYRENE	2/27/2014		Yes	N	U		U	210	5.8	ug/kg
LT-C-049-8-10-20140220	480-55087-34	HEXACHLOROETHANE	2/27/2014		Yes	N	U		U	210	16	ug/kg
LT-C-049-8-10-20140220	480-55087-34	HEXACHLOROCYCLOPENTADIENE	2/27/2014		Yes	N	U		U	210	63	ug/kg
LT-C-049-8-10-20140220	480-55087-34	HEXACHLOROBUTADIENE	2/27/2014		Yes	N	U		U	210	11	ug/kg
LT-C-049-8-10-20140220	480-55087-34	HEXACHLOROBENZENE	2/27/2014		Yes	N	U		U	210	10	ug/kg
LT-C-049-8-10-20140220	480-55087-34	FLUORENE	2/27/2014		Yes	N	U		U	210	4.8	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-049-8-10-20140220	480-55087-34	FLUORANTHENE	2/27/2014		Yes	N	U		U	210	3.0	ug/kg
LT-C-049-8-10-20140220	480-55087-34	BENZO(A)PYRENE	2/27/2014		Yes	N	U		U	210	5.0	ug/kg
LT-C-049-8-10-20140220	480-55087-34	DI-N-BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	210	72	ug/kg
LT-C-049-8-10-20140220	480-55087-34	CAPROLACTAM	2/27/2014		Yes	N	U		U	210	90	ug/kg
LT-C-049-8-10-20140220	480-55087-34	PENTACHLOROPHENOL	2/27/2014		Yes	N	U		U	410	72	ug/kg
LT-C-049-8-10-20140220	480-55087-34	BENZO(K)FLUORANTHENE	2/27/2014		Yes	N	U		U	210	2.3	ug/kg
LT-C-049-8-10-20140220	480-55087-34	BENZYL BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	210	56	ug/kg
LT-C-049-8-10-20140220	480-55087-34	BIPHENYL (DIPHENYL)	2/27/2014		Yes	N	U		U	210	13	ug/kg
LT-C-049-8-10-20140220	480-55087-34	BIS(2-CHLOROETHOXY) METHANE	2/27/2014		Yes	N	U		U	210	11	ug/kg
LT-C-049-8-10-20140220	480-55087-34	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/27/2014		Yes	N	U		U	210	18	ug/kg
LT-C-049-8-10-20140220	480-55087-34	DI-N-OCTYLPHTHALATE	2/27/2014		Yes	N	U		U	210	4.9	ug/kg
LT-C-049-8-10-20140220	480-55087-34	BIS(2-ETHYLHEXYL) PHTHALATE	2/27/2014		Yes	N	U		U	210	67	ug/kg
LT-C-049-8-10-20140220	480-55087-34	BENZO(B)FLUORANTHENE	2/27/2014		Yes	N	U		U	210	4.1	ug/kg
LT-C-049-8-10-20140220	480-55087-34	CARBAZOLE	2/27/2014		Yes	N	U		U	210	2.4	ug/kg
LT-C-049-8-10-20140220	480-55087-34	CHRYSENE	2/27/2014		Yes	N	U		U	210	2.1	ug/kg
LT-C-049-8-10-20140220	480-55087-34	DIBENZ(A,H)ANTHRACENE	2/27/2014		Yes	N	U		U	210	2.5	ug/kg
LT-C-049-8-10-20140220	480-55087-34	DIBENZOFURAN	2/27/2014		Yes	N	U		U	210	2.2	ug/kg
LT-C-049-8-10-20140220	480-55087-34	DIETHYL PHTHALATE	2/27/2014		Yes	N	U		U	210	6.3	ug/kg
LT-C-049-8-10-20140220	480-55087-34	BIS(2-CHLOROISOPROPYL) ETHER	2/27/2014		Yes	N	U		U	210	22	ug/kg
LT-C-049-8-10-20140220	480-55087-34	PHENANTHRENE	2/27/2014		Yes	N	U		U	210	4.4	ug/kg
LT-C-049-8-10-20140220	480-55087-34	PHENOL	2/27/2014		Yes	N	U		U	210	22	ug/kg
LT-C-049-8-10-20140220	480-55087-34	PYRENE	2/27/2014		Yes	N	U		U	210	1.4	ug/kg
LT-XC-020-02-20140220	480-55087-1	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	200	11	ug/kg
LT-XC-020-02-20140220	480-55087-1	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	200	10	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-XC-020-02-20140220	480-55087-1	CARBAZOLE	2/26/2014		Yes	N	U		U	200	2.3	ug/kg
LT-XC-020-02-20140220	480-55087-1	CHRYSENE	2/26/2014	67	Yes	Y	J		J	200	2.0	ug/kg
LT-XC-020-02-20140220	480-55087-1	DIBENZ(A,H)ANTHRACENE	2/26/2014		Yes	N	U		U	200	2.3	ug/kg
LT-XC-020-02-20140220	480-55087-1	DIBENZOFURAN	2/26/2014		Yes	N	U		U	200	2.0	ug/kg
LT-XC-020-02-20140220	480-55087-1	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	200	5.9	ug/kg
LT-XC-020-02-20140220	480-55087-1	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	200	5.1	ug/kg
LT-XC-020-02-20140220	480-55087-1	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	200	68	ug/kg
LT-XC-020-02-20140220	480-55087-1	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U		U	200	4.6	ug/kg
LT-XC-020-02-20140220	480-55087-1	FLUORANTHENE	2/26/2014	57	Yes	Y	J		J	200	2.8	ug/kg
LT-XC-020-02-20140220	480-55087-1	CAPROLACTAM	2/26/2014		Yes	N	U		U	200	85	ug/kg
LT-XC-020-02-20140220	480-55087-1	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	200	9.8	ug/kg
LT-XC-020-02-20140220	480-55087-1	INDENO(1,2,3-C,D)PYRENE	2/26/2014		Yes	N	U		U	200	5.4	ug/kg
LT-XC-020-02-20140220	480-55087-1	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U		U	200	59	ug/kg
LT-XC-020-02-20140220	480-55087-1	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	200	15	ug/kg
LT-XC-020-02-20140220	480-55087-1	ISOPHORONE	2/26/2014		Yes	N	U		U	200	9.8	ug/kg
LT-XC-020-02-20140220	480-55087-1	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		U	200	16	ug/kg
LT-XC-020-02-20140220	480-55087-1	NITROBENZENE	2/26/2014		Yes	N	U		U	200	8.7	ug/kg
LT-XC-020-02-20140220	480-55087-1	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	380	67	ug/kg
LT-XC-020-02-20140220	480-55087-1	PHENANTHRENE	2/26/2014	44	Yes	Y	J		J	200	4.1	ug/kg
LT-XC-020-02-20140220	480-55087-1	PHENOL	2/26/2014		Yes	N	U		U	200	21	ug/kg
LT-XC-020-02-20140220	480-55087-1	PYRENE	2/26/2014	110	Yes	Y	J		J	200	1.3	ug/kg
LT-XC-020-02-20140220	480-55087-1	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	200	43	ug/kg
LT-XC-020-02-20140220	480-55087-1	FLUORENE	2/26/2014	11	Yes	Y	J		J	200	4.5	ug/kg
LT-XC-020-02-20140220	480-55087-1	4-NITROPHENOL	2/26/2014		Yes	N	U		U	380	48	ug/kg
LT-XC-020-02-20140220	480-55087-1	NAPHTHALENE	2/26/2014		Yes	N	U		U	200	3.3	ug/kg

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Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-XC-020-02-20140220	480-55087-1	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014	230	Yes	Y				200	63	ug/kg
LT-XC-020-02-20140220	480-55087-1	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		U	200	8.1	ug/kg
LT-XC-020-02-20140220	480-55087-1	4-CHLOROANILINE	2/26/2014		Yes	N	U		U	200	58	ug/kg
LT-XC-020-02-20140220	480-55087-1	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	200	4.2	ug/kg
LT-XC-020-02-20140220	480-55087-1	4-NITROANILINE	2/26/2014		Yes	N	U		U	380	22	ug/kg
LT-XC-020-02-20140220	480-55087-1	ACENAPHTHENE	2/26/2014	7.1	Yes	Y	J		J	200	2.3	ug/kg
LT-XC-020-02-20140220	480-55087-1	ACENAPHTHYLENE	2/26/2014		Yes	N	U		U	200	1.6	ug/kg
LT-XC-020-02-20140220	480-55087-1	ACETOPHENONE	2/26/2014		Yes	N	U		U	200	10	ug/kg
LT-XC-020-02-20140220	480-55087-1	ANTHRACENE	2/26/2014	15	Yes	Y	J		J	200	5.0	ug/kg
LT-XC-020-02-20140220	480-55087-1	ATRAZINE	2/26/2014		Yes	N	U		U	200	8.7	ug/kg
LT-XC-020-02-20140220	480-55087-1	BENZO(K)FLUORANTHENE	2/26/2014		Yes	N	U		U	200	2.2	ug/kg
LT-XC-020-02-20140220	480-55087-1	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	200	21	ug/kg
LT-XC-020-02-20140220	480-55087-1	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		U	380	11	ug/kg
LT-XC-020-02-20140220	480-55087-1	BENZALDEHYDE	2/26/2014		Yes	N	U		U	200	22	ug/kg
LT-XC-020-02-20140220	480-55087-1	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	200	11	ug/kg
LT-XC-020-02-20140220	480-55087-1	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	200	12	ug/kg
LT-XC-020-02-20140220	480-55087-1	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	200	53	ug/kg
LT-XC-020-02-20140220	480-55087-1	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	200	17	ug/kg
LT-XC-020-02-20140220	480-55087-1	BENZO(G,H,I)PERYLENE	2/26/2014		Yes	N	U		U	200	2.4	ug/kg
LT-XC-020-02-20140220	480-55087-1	BENZO(B)FLUORANTHENE	2/26/2014		Yes	N	U		U	200	3.8	ug/kg
LT-XC-020-02-20140220	480-55087-1	BENZO(A)PYRENE	2/26/2014		Yes	N	U		U	200	4.7	ug/kg
LT-XC-020-02-20140220	480-55087-1	BENZO(A)ANTHRACENE	2/26/2014	50	Yes	Y	J		J	200	3.4	ug/kg
LT-XC-020-02-20140220	480-55087-1	2-NITROANILINE	2/26/2014		Yes	N	U		U	380	63	ug/kg
LT-XC-020-02-20140220	480-55087-1	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	200	13	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-XC-020-02-20140220	480-55087-1	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	200	10	ug/kg
LT-XC-020-02-20140220	480-55087-1	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	200	53	ug/kg
LT-XC-020-02-20140220	480-55087-1	2,4-DINITROPHENOL	2/26/2014		Yes	N	U		U	380	69	ug/kg
LT-XC-020-02-20140220	480-55087-1	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	200	30	ug/kg
LT-XC-020-02-20140220	480-55087-1	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		U	200	48	ug/kg
LT-XC-020-02-20140220	480-55087-1	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		U	200	13	ug/kg
LT-XC-020-02-20140220	480-55087-1	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	200	10	ug/kg
LT-XC-020-02-20140220	480-55087-1	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U	200	6.0	ug/kg
LT-XC-020-02-20140220	480-55087-1	2-NITROPHENOL	2/26/2014		Yes	N	U		U	200	9.0	ug/kg
LT-XC-020-02-20140220	480-55087-1	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U		U	200	170	ug/kg
LT-XC-020-02-20140220	480-55087-1	3-NITROANILINE	2/26/2014		Yes	N	U		U	380	45	ug/kg
LT-XC-020-02-20140220	480-55087-1	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	380	68	ug/kg
LT-XC-020-02-20140220	480-55087-1	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	200	62	ug/kg
LT-XC-020-02-20140220	480-55087-1	2-METHYLNAPHTHALENE	2/26/2014	4.7	Yes	Y	J		J	200	2.4	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	DIETHYL PHTHALATE	2/25/2014		Yes	N	U		U	210	6.2	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	CARBAZOLE	2/25/2014		Yes	N	U		U	210	2.4	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	DIMETHYL PHTHALATE	2/25/2014		Yes	N	U		U	210	5.4	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	DI-N-BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	210	71	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	DIBENZ(A,H)ANTHRACENE	2/25/2014		Yes	N	U		U	210	2.4	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	CHRYSENE	2/25/2014		Yes	N	U		U	210	2.1	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	DIBENZOFURAN	2/25/2014		Yes	N	U		U	210	2.1	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	CAPROLACTAM	2/25/2014		Yes	N	U		U	210	89	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	BIS(2-ETHYLHEXYL) PHTHALATE	2/25/2014		Yes	N	U		U	210	66	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	BIS(2-CHLOROISOPROPYL) ETHER	2/25/2014		Yes	N	U		U	210	21	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	BIS(2-CHLOROETHOXY) METHANE	2/25/2014		Yes	N	U		U	210	11	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-XC-020-4-6-20140220	480-55087-2	DI-N-OCTYLPHTHALATE	2/25/2014		Yes	N	U		U	210	4.8	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	PHENANTHRENE	2/25/2014		Yes	N	U		U	210	4.3	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	BIPHENYL (DIPHENYL)	2/25/2014		Yes	N	U		U	210	13	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	BENZYL BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	210	55	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/25/2014		Yes	N	U		U	210	18	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	ISOPHORONE	2/25/2014		Yes	N	U		U	210	10	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	ACENAPHTHENE	2/25/2014		Yes	N	U		U	210	2.4	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	BENZO(K)FLUORANTHENE	2/25/2014		Yes	N	U		U	210	2.3	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	PYRENE	2/25/2014		Yes	N	U		U	210	1.3	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	PHENOL	2/25/2014		Yes	N	U		U	210	22	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	PENTACHLOROPHENOL	2/25/2014		Yes	N	U		U	400	70	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	N-NITROSODI-N-PROPYLAMINE	2/25/2014		Yes	N	U		U	210	16	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	N-NITROSODIPHENYLAMINE	2/25/2014		Yes	N	U		U	210	11	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	NAPHTHALENE	2/25/2014		Yes	N	U		U	210	3.4	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	FLUORANTHENE	2/25/2014		Yes	N	U		U	210	3.0	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	INDENO(1,2,3-C,D)PYRENE	2/25/2014		Yes	N	U		U	210	5.7	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	HEXACHLOROETHANE	2/25/2014		Yes	N	U		U	210	16	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	HEXACHLOROCYCLOPENTADIENE	2/25/2014		Yes	N	U		U	210	62	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	HEXACHLOROBUTADIENE	2/25/2014		Yes	N	U		U	210	11	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	HEXACHLOROBENZENE	2/25/2014		Yes	N	U		U	210	10	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	FLUORENE	2/25/2014		Yes	N	U		U	210	4.7	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	NITROBENZENE	2/25/2014		Yes	N	U		U	210	9.1	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	2,4-DINITROTOLUENE	2/25/2014		Yes	N	U		U	210	32	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	3,3'-DICHLOROBENZIDINE	2/25/2014		Yes	N	U		U	210	180	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-XC-020-4-6-20140220	480-55087-2	2-NITROPHENOL	2/25/2014		Yes	N	U		U	210	9.4	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	2-NITROANILINE	2/25/2014		Yes	N	U		U	400	66	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	2-METHYLPHENOL (O-CRESOL)	2/25/2014		Yes	N	U		U	210	6.3	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	2-METHYLNAPHTHALENE	2/25/2014		Yes	N	U		U	210	2.5	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	2-CHLOROPHENOL	2/25/2014		Yes	N	U		U	210	10	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	3-NITROANILINE	2/25/2014		Yes	N	U		U	400	47	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	2,6-DINITROTOLUENE	2/25/2014		Yes	N	U		U	210	50	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	2,4,6-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	210	14	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	2,4-DINITROPHENOL	2/25/2014		Yes	N	U		U	400	72	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	2,4-DIMETHYLPHENOL	2/25/2014		Yes	N	U		U	210	55	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	2,4-DICHLOROPHENOL	2/25/2014		Yes	N	U		U	210	11	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	BENZO(G,H,I)PERYLENE	2/25/2014		Yes	N	U		U	210	2.5	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	2,4,5-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	210	45	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	ACETOPHENONE	2/25/2014		Yes	N	U		U	210	11	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	2-CHLORONAPHTHALENE	2/25/2014		Yes	N	U		U	210	14	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	BENZO(A)ANTHRACENE	2/25/2014		Yes	N	U		U	210	3.5	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	4,6-DINITRO-2-METHYLPHENOL	2/25/2014		Yes	N	U		U	400	71	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	BENZO(A)PYRENE	2/25/2014		Yes	N	U		U	210	5.0	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	BENZALDEHYDE	2/25/2014		Yes	N	U		U	210	23	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	ATRAZINE	2/25/2014		Yes	N	U		U	210	9.1	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	ANTHRACENE	2/25/2014		Yes	N	U		U	210	5.3	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	ACENAPHTHYLENE	2/25/2014		Yes	N	U		U	210	1.7	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	4-CHLORO-3-METHYLPHENOL	2/25/2014		Yes	N	U		U	210	8.5	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	4-NITROANILINE	2/25/2014		Yes	N	U		U	400	23	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	BENZO(B)FLUORANTHENE	2/25/2014		Yes	N	U		U	210	4.0	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-XC-020-4-6-20140220	480-55087-2	4-METHYLPHENOL (P-CRESOL)	2/25/2014		Yes	N	U		U	400	11	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	4-CHLOROPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	210	4.4	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	4-CHLOROANILINE	2/25/2014		Yes	N	U		U	210	60	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	4-NITROPHENOL	2/25/2014		Yes	N	U		U	400	50	ug/kg
LT-XC-020-4-6-20140220	480-55087-2	4-BROMOPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	210	65	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	CAPROLACTAM	2/25/2014		Yes	N	U		U	190	83	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	CHRYSENE	2/25/2014		Yes	N	U		U	190	1.9	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	DIBENZOFURAN	2/25/2014		Yes	N	U		U	190	2.0	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	DIMETHYL PHTHALATE	2/25/2014		Yes	N	U		U	190	5.0	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	BIS(2-CHLOROETHOXY) METHANE	2/25/2014		Yes	N	U		U	190	10	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	DI-N-BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	190	66	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	DI-N-OCTYLPHTHALATE	2/25/2014		Yes	N	U		U	190	4.5	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	DIETHYL PHTHALATE	2/25/2014		Yes	N	U		U	190	5.8	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	BIS(2-ETHYLHEXYL) PHTHALATE	2/25/2014		Yes	N	U		U	190	62	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/25/2014		Yes	N	U		U	190	17	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	BIPHENYL (DIPHENYL)	2/25/2014		Yes	N	U		U	190	12	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	FLUORANTHENE	2/25/2014		Yes	N	U		U	190	2.8	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	NITROBENZENE	2/25/2014		Yes	N	U		U	190	8.5	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	BENZYL BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	190	52	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	BENZO(K)FLUORANTHENE	2/25/2014		Yes	N	U		U	190	2.1	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	BIS(2-CHLOROISOPROPYL) ETHER	2/25/2014		Yes	N	U		U	190	20	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	NAPHTHALENE	2/25/2014		Yes	N	U		U	190	3.2	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	CARBAZOLE	2/25/2014		Yes	N	U		U	190	2.2	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	BENZO(G,H,I)PERYLENE	2/25/2014		Yes	N	U		U	190	2.3	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-XC-020-6-8-20140220	480-55087-3	PHENOL	2/25/2014		Yes	N	U		U	190	20	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	PHENANTHRENE	2/25/2014		Yes	N	U		U	190	4.0	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	PENTACHLOROPHENOL	2/25/2014		Yes	N	U		U	380	66	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	ISOPHORONE	2/25/2014		Yes	N	U		U	190	9.6	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	N-NITROSODI-N-PROPYLAMINE	2/25/2014		Yes	N	U		U	190	15	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	FLUORENE	2/25/2014		Yes	N	U		U	190	4.4	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	PYRENE	2/25/2014		Yes	N	U		U	190	1.2	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	INDENO(1,2,3-C,D)PYRENE	2/25/2014		Yes	N	U		U	190	5.3	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	HEXACHLOROETHANE	2/25/2014		Yes	N	U		U	190	15	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	HEXACHLOROCYCLOPENTADIENE	2/25/2014		Yes	N	U		U	190	58	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	HEXACHLOROBUTADIENE	2/25/2014		Yes	N	U		U	190	9.8	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	HEXACHLOROBENZENE	2/25/2014		Yes	N	U		U	190	9.6	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	N-NITROSODIPHENYLAMINE	2/25/2014		Yes	N	U		U	190	11	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	2,6-DINITROTOLUENE	2/25/2014		Yes	N	U		U	190	47	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	4,6-DINITRO-2-METHYLPHENOL	2/25/2014		Yes	N	U		U	380	66	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	3-NITROANILINE	2/25/2014		Yes	N	U		U	380	44	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	2-NITROPHENOL	2/25/2014		Yes	N	U		U	190	8.8	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	2-METHYLPHENOL (O-CRESOL)	2/25/2014		Yes	N	U		U	190	5.9	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	2-METHYLNAPHTHALENE	2/25/2014		Yes	N	U		U	190	2.3	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	4-BROMOPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	190	61	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	2-CHLORONAPHTHALENE	2/25/2014		Yes	N	U		U	190	13	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	3,3'-DICHLORO BENZIDINE	2/25/2014		Yes	N	U		U	190	170	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	2,4-DINITROTOLUENE	2/25/2014		Yes	N	U		U	190	30	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	2,4-DINITROPHENOL	2/25/2014		Yes	N	U		U	380	67	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	2,4-DIMETHYLPHENOL	2/25/2014		Yes	N	U		U	190	52	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-XC-020-6-8-20140220	480-55087-3	2,4-DICHLOROPHENOL	2/25/2014		Yes	N	U		U	190	10	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	2,4,6-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	190	13	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	2,4,5-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	190	42	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	2-CHLOROPHENOL	2/25/2014		Yes	N	U		U	190	9.8	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	ACETOPHENONE	2/25/2014		Yes	N	U		U	190	9.9	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	BENZO(A)PYRENE	2/25/2014		Yes	N	U		U	190	4.6	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	BENZO(A)ANTHRACENE	2/25/2014		Yes	N	U		U	190	3.3	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	BENZALDEHYDE	2/25/2014		Yes	N	U		U	190	21	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	2-NITROANILINE	2/25/2014		Yes	N	U		U	380	62	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	ANTHRACENE	2/25/2014		Yes	N	U		U	190	4.9	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	4-CHLORO-3-METHYLPHENOL	2/25/2014		Yes	N	U		U	190	7.9	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	ACENAPHTHYLENE	2/25/2014		Yes	N	U		U	190	1.6	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	ACENAPHTHENE	2/25/2014		Yes	N	U		U	190	2.3	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	4-CHLOROANILINE	2/25/2014		Yes	N	U		U	190	56	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	4-NITROPHENOL	2/25/2014		Yes	N	U		U	380	47	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	BENZO(B)FLUORANTHENE	2/25/2014		Yes	N	U		U	190	3.7	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	4-NITROANILINE	2/25/2014		Yes	N	U		U	380	21	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	4-METHYLPHENOL (P-CRESOL)	2/25/2014		Yes	N	U		U	380	11	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	4-CHLOROPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	190	4.1	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	DIBENZ(A,H)ANTHRACENE	2/25/2014		Yes	N	U		U	190	2.3	ug/kg
LT-XC-020-6-8-20140220	480-55087-3	ATRAZINE	2/25/2014		Yes	N	U		U	190	8.6	ug/kg

SDG: 480550921

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801673811A	4801673811A	COBALT	2/27/2014		Yes	N	U		U	2.7	0.054	mg/kg
4801673811A	4801673811A	VANADIUM	2/27/2014		Yes	N	U		U	2.7	0.12	mg/kg
4801673811A	4801673811A	THALLIUM	2/27/2014		Yes	N	U		U	32.6	0.33	mg/kg
4801673811A	4801673811A	SODIUM	2/27/2014		Yes	N	U		U	761	14.1	mg/kg
4801673811A	4801673811A	SILVER	2/27/2014		Yes	N	U		U	2.7	0.22	mg/kg
4801673811A	4801673811A	SELENIUM	2/27/2014		Yes	N	U		U	21.7	0.43	mg/kg
4801673811A	4801673811A	POTASSIUM	2/27/2014		Yes	N	U		U	163	21.7	mg/kg
4801673811A	4801673811A	NICKEL	2/27/2014		Yes	N	U		U	27.2	0.25	mg/kg
4801673811A	4801673811A	MANGANESE	2/27/2014	0.134	Yes	Y	J		J	1.1	0.035	mg/kg
4801673811A	4801673811A	ZINC	2/27/2014	0.354	Yes	Y	J		J	10.9	0.17	mg/kg
4801673811A	4801673811A	IRON	2/27/2014	5.23	Yes	Y	J		J	54.3	1.2	mg/kg
4801673811A	4801673811A	LEAD	2/27/2014		Yes	N	U		U	5.4	0.26	mg/kg
4801673811A	4801673811A	CHROMIUM, TOTAL	2/27/2014		Yes	N	U		U	2.7	0.22	mg/kg
4801673811A	4801673811A	CALCIUM	2/27/2014	7.49	Yes	Y	J		J	272	3.6	mg/kg
4801673811A	4801673811A	CADMIUM	2/27/2014		Yes	N	U		U	1.1	0.033	mg/kg
4801673811A	4801673811A	BERYLLIUM	2/27/2014		Yes	N	U		U	1.1	0.030	mg/kg
4801673811A	4801673811A	BARIUM	2/27/2014		Yes	N	U		U	2.7	0.12	mg/kg
4801673811A	4801673811A	ARSENIC	2/27/2014		Yes	N	U		U	10.9	0.43	mg/kg
4801673811A	4801673811A	ANTIMONY	2/27/2014		Yes	N	U		U	81.5	0.43	mg/kg
4801673811A	4801673811A	ALUMINUM	2/27/2014		Yes	N	U		U	54.3	4.8	mg/kg
4801673811A	4801673811A	MAGNESIUM	2/27/2014	2.33	Yes	Y	J		J	109	1.0	mg/kg
4801673811A	4801673811A	COPPER	2/27/2014		Yes	N	U		U	5.4	0.23	mg/kg
4801676241A	4801676241A	MAGNESIUM	2/27/2014		Yes	N	U		U	0.20	0.043	mg/l
4801676241A	4801676241A	ANTIMONY	2/27/2014		Yes	N	U		U	0.020	0.0068	mg/l
4801676241A	4801676241A	ALUMINUM	2/27/2014		Yes	N	U		U	0.20	0.060	mg/l

SDG: 480550921

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801676241A	4801676241A	BERYLLIUM	2/27/2014		Yes	N	U		U	0.0020	0.00030	mg/l
4801676241A	4801676241A	CADMIUM	2/27/2014		Yes	N	U		U	0.0010	0.00050	mg/l
4801676241A	4801676241A	CALCIUM	2/27/2014		Yes	N	U		U	0.50	0.10	mg/l
4801676241A	4801676241A	CHROMIUM, TOTAL	2/27/2014		Yes	N	U		U	0.0040	0.0010	mg/l
4801676241A	4801676241A	ARSENIC	2/27/2014		Yes	N	U		U	0.010	0.0056	mg/l
4801676241A	4801676241A	COBALT	2/27/2014		Yes	N	U		U	0.0040	0.00063	mg/l
4801676241A	4801676241A	COPPER	2/27/2014		Yes	N	U		U	0.010	0.0016	mg/l
4801676241A	4801676241A	ZINC	2/27/2014	0.00172	Yes	Y	J		J	0.010	0.0015	mg/l
4801676241A	4801676241A	LEAD	2/27/2014		Yes	N	U		U	0.0050	0.0030	mg/l
4801676241A	4801676241A	MANGANESE	2/27/2014	0.00228	Yes	Y	J		J	0.0030	0.00040	mg/l
4801676241A	4801676241A	NICKEL	2/27/2014		Yes	N	U		U	0.010	0.0013	mg/l
4801676241A	4801676241A	POTASSIUM	2/27/2014		Yes	N	U		U	0.50	0.10	mg/l
4801676241A	4801676241A	SELENIUM	2/27/2014		Yes	N	U		U	0.015	0.0087	mg/l
4801676241A	4801676241A	SILVER	2/27/2014		Yes	N	U		U	0.0030	0.0017	mg/l
4801676241A	4801676241A	SODIUM	2/27/2014		Yes	N	U		U	1.0	0.32	mg/l
4801676241A	4801676241A	THALLIUM	2/27/2014		Yes	N	U		U	0.020	0.010	mg/l
4801676241A	4801676241A	VANADIUM	2/27/2014		Yes	N	U		U	0.0050	0.0015	mg/l
4801676241A	4801676241A	BARIUM	2/27/2014		Yes	N	U		U	0.0020	0.00070	mg/l
4801676241A	4801676241A	IRON	2/27/2014	0.0318	Yes	Y	J		J	0.050	0.019	mg/l
CC-C-029-0-2-20140219	480-55092-1	NICKEL	2/27/2014	10.5	Yes	Y	J		J	30.9	0.28	mg/kg
CC-C-029-0-2-20140219	480-55092-1	POTASSIUM	2/27/2014	499	Yes	Y				185	24.7	mg/kg
CC-C-029-0-2-20140219	480-55092-1	SELENIUM	2/27/2014	0.56	Yes	Y	J		J	24.7	0.49	mg/kg
CC-C-029-0-2-20140219	480-55092-1	SILVER	2/27/2014	1.3	Yes	Y	J		J	3.1	0.25	mg/kg
CC-C-029-0-2-20140219	480-55092-1	THALLIUM	2/27/2014		Yes	N	U		U	37.0	0.37	mg/kg
CC-C-029-0-2-20140219	480-55092-1	ZINC	2/27/2014	190	Yes	Y	B			12.3	0.19	mg/kg

SDG: 480550921

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-029-0-2-20140219	480-55092-1	ANTIMONY	2/27/2014	2.7	Yes	Y	J	J	J	92.6	0.49	mg/kg
CC-C-029-0-2-20140219	480-55092-1	VANADIUM	2/27/2014	12.5	Yes	Y				3.1	0.14	mg/kg
CC-C-029-0-2-20140219	480-55092-1	MANGANESE	2/27/2014	173	Yes	Y	B			1.2	0.039	mg/kg
CC-C-029-0-2-20140219	480-55092-1	ALUMINUM	2/27/2014	4700	Yes	Y		J	J	61.7	5.4	mg/kg
CC-C-029-0-2-20140219	480-55092-1	BARIUM	2/27/2014	42.9	Yes	Y				3.1	0.14	mg/kg
CC-C-029-0-2-20140219	480-55092-1	LEAD	2/27/2014	102	Yes	Y		J	J	6.2	0.30	mg/kg
CC-C-029-0-2-20140219	480-55092-1	IRON	2/27/2014	10000	Yes	Y	B			61.7	1.4	mg/kg
CC-C-029-0-2-20140219	480-55092-1	COPPER	2/27/2014	52.6	Yes	Y		J	J	6.2	0.26	mg/kg
CC-C-029-0-2-20140219	480-55092-1	COBALT	2/27/2014	4.1	Yes	Y				3.1	0.062	mg/kg
CC-C-029-0-2-20140219	480-55092-1	CHROMIUM, TOTAL	2/27/2014	15.9	Yes	Y		J	J	3.1	0.25	mg/kg
CC-C-029-0-2-20140219	480-55092-1	CALCIUM	2/27/2014	11600	Yes	Y	B			309	4.1	mg/kg
CC-C-029-0-2-20140219	480-55092-1	BERYLLIUM	2/27/2014	0.19	Yes	Y	J		J	1.2	0.035	mg/kg
CC-C-029-0-2-20140219	480-55092-1	CADMIUM	2/27/2014	0.61	Yes	Y	J		J	1.2	0.037	mg/kg
CC-C-029-0-2-20140219	480-55092-1	ARSENIC	2/27/2014	5.8	Yes	Y	J		J	12.3	0.49	mg/kg
CC-C-029-0-2-20140219	480-55092-1	MAGNESIUM	2/27/2014	1800	Yes	Y	B	J	J	123	1.1	mg/kg
CC-C-029-0-2-20140219	480-55092-1	SODIUM	2/28/2014	89.5	Yes	Y	J		J	864	16.0	mg/kg
CC-C-029-2-4-20140219	480-55092-9	MAGNESIUM	2/27/2014	2110	Yes	Y	B	J	J	125	1.2	mg/kg
CC-C-029-2-4-20140219	480-55092-9	COPPER	2/27/2014	98.1	Yes	Y		J	J	6.3	0.26	mg/kg
CC-C-029-2-4-20140219	480-55092-9	SILVER	2/27/2014	2.3	Yes	Y	J		J	3.1	0.25	mg/kg
CC-C-029-2-4-20140219	480-55092-9	ANTIMONY	2/27/2014	7.8	Yes	Y	J	J	J	94.0	0.50	mg/kg
CC-C-029-2-4-20140219	480-55092-9	SELENIUM	2/27/2014		Yes	N	U		U	25.1	0.50	mg/kg
CC-C-029-2-4-20140219	480-55092-9	POTASSIUM	2/27/2014	600	Yes	Y				188	25.1	mg/kg
CC-C-029-2-4-20140219	480-55092-9	NICKEL	2/27/2014	17.3	Yes	Y	J		J	31.3	0.29	mg/kg
CC-C-029-2-4-20140219	480-55092-9	MANGANESE	2/27/2014	225	Yes	Y	B			1.3	0.040	mg/kg
CC-C-029-2-4-20140219	480-55092-9	ZINC	2/27/2014	182	Yes	Y	B			12.5	0.19	mg/kg

SDG: 480550921

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-029-2-4-20140219	480-55092-9	THALLIUM	2/27/2014		Yes	N	U		U	37.6	0.38	mg/kg
CC-C-029-2-4-20140219	480-55092-9	LEAD	2/27/2014	169	Yes	Y		J	J	6.3	0.30	mg/kg
CC-C-029-2-4-20140219	480-55092-9	VANADIUM	2/27/2014	13.6	Yes	Y				3.1	0.14	mg/kg
CC-C-029-2-4-20140219	480-55092-9	BARIUM	2/27/2014	56	Yes	Y				3.1	0.14	mg/kg
CC-C-029-2-4-20140219	480-55092-9	ARSENIC	2/27/2014	8.6	Yes	Y	J		J	12.5	0.50	mg/kg
CC-C-029-2-4-20140219	480-55092-9	COBALT	2/27/2014	5.1	Yes	Y				3.1	0.063	mg/kg
CC-C-029-2-4-20140219	480-55092-9	CHROMIUM, TOTAL	2/27/2014	18.4	Yes	Y		J	J	3.1	0.25	mg/kg
CC-C-029-2-4-20140219	480-55092-9	CALCIUM	2/27/2014	6550	Yes	Y	B			313	4.1	mg/kg
CC-C-029-2-4-20140219	480-55092-9	CADMIUM	2/27/2014	0.63	Yes	Y	J		J	1.3	0.038	mg/kg
CC-C-029-2-4-20140219	480-55092-9	BERYLLIUM	2/27/2014	0.19	Yes	Y	J		J	1.3	0.035	mg/kg
CC-C-029-2-4-20140219	480-55092-9	ALUMINUM	2/27/2014	5340	Yes	Y		J	J	62.7	5.5	mg/kg
CC-C-029-2-4-20140219	480-55092-9	IRON	2/27/2014	18700	Yes	Y	B			62.7	1.4	mg/kg
CC-C-029-2-4-20140219	480-55092-9	SODIUM	2/28/2014	129	Yes	Y	J		J	877	16.3	mg/kg
CC-C-029-8-10-20140219	480-55092-2	ZINC	2/27/2014	118	Yes	Y	B			11.8	0.18	mg/kg
CC-C-029-8-10-20140219	480-55092-2	VANADIUM	2/27/2014	8.8	Yes	Y				3.0	0.13	mg/kg
CC-C-029-8-10-20140219	480-55092-2	THALLIUM	2/27/2014		Yes	N	U		U	35.4	0.35	mg/kg
CC-C-029-8-10-20140219	480-55092-2	CALCIUM	2/27/2014	2910	Yes	Y	B			295	3.9	mg/kg
CC-C-029-8-10-20140219	480-55092-2	SILVER	2/27/2014	5.9	Yes	Y				3.0	0.24	mg/kg
CC-C-029-8-10-20140219	480-55092-2	ALUMINUM	2/27/2014	3460	Yes	Y		J	J	59.0	5.2	mg/kg
CC-C-029-8-10-20140219	480-55092-2	ANTIMONY	2/27/2014	8.8	Yes	Y	J	J	J	88.5	0.47	mg/kg
CC-C-029-8-10-20140219	480-55092-2	ARSENIC	2/27/2014	8.4	Yes	Y	J		J	11.8	0.47	mg/kg
CC-C-029-8-10-20140219	480-55092-2	BARIUM	2/27/2014	44.8	Yes	Y				3.0	0.13	mg/kg
CC-C-029-8-10-20140219	480-55092-2	SELENIUM	2/27/2014	1.1	Yes	Y	J		J	23.6	0.47	mg/kg
CC-C-029-8-10-20140219	480-55092-2	CADMIUM	2/27/2014	2.2	Yes	Y				1.2	0.035	mg/kg
CC-C-029-8-10-20140219	480-55092-2	POTASSIUM	2/27/2014	325	Yes	Y				177	23.6	mg/kg

SDG: 480550921

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-029-8-10-20140219	480-55092-2	CHROMIUM, TOTAL	2/27/2014	11.3	Yes	Y		J	J	3.0	0.24	mg/kg
CC-C-029-8-10-20140219	480-55092-2	COBALT	2/27/2014	2.5	Yes	Y	J		J	3.0	0.059	mg/kg
CC-C-029-8-10-20140219	480-55092-2	COPPER	2/27/2014	211	Yes	Y		J	J	5.9	0.25	mg/kg
CC-C-029-8-10-20140219	480-55092-2	IRON	2/27/2014	7160	Yes	Y	B			59.0	1.3	mg/kg
CC-C-029-8-10-20140219	480-55092-2	LEAD	2/27/2014	1180	Yes	Y		J	J	5.9	0.28	mg/kg
CC-C-029-8-10-20140219	480-55092-2	MAGNESIUM	2/27/2014	626	Yes	Y	B	J	J	118	1.1	mg/kg
CC-C-029-8-10-20140219	480-55092-2	MANGANESE	2/27/2014	210	Yes	Y	B			1.2	0.038	mg/kg
CC-C-029-8-10-20140219	480-55092-2	NICKEL	2/27/2014	9.3	Yes	Y	J		J	29.5	0.27	mg/kg
CC-C-029-8-10-20140219	480-55092-2	BERYLLIUM	2/27/2014	0.23	Yes	Y	J		J	1.2	0.033	mg/kg
CC-C-029-8-10-20140219	480-55092-2	SODIUM	2/28/2014	68.3	Yes	Y	J		J	826	15.3	mg/kg
CC-C-041-0-2-20140219	480-55092-3	ARSENIC	2/27/2014	14.9	Yes	Y				10.9	0.43	mg/kg
CC-C-041-0-2-20140219	480-55092-3	LEAD	2/27/2014	270	Yes	Y		J	J	5.4	0.26	mg/kg
CC-C-041-0-2-20140219	480-55092-3	ZINC	2/27/2014	242	Yes	Y	B			10.9	0.17	mg/kg
CC-C-041-0-2-20140219	480-55092-3	VANADIUM	2/27/2014	11.6	Yes	Y				2.7	0.12	mg/kg
CC-C-041-0-2-20140219	480-55092-3	THALLIUM	2/27/2014		Yes	N	U		U	32.6	0.33	mg/kg
CC-C-041-0-2-20140219	480-55092-3	SILVER	2/27/2014	3.5	Yes	Y				2.7	0.22	mg/kg
CC-C-041-0-2-20140219	480-55092-3	SELENIUM	2/27/2014	1.1	Yes	Y	J		J	21.7	0.43	mg/kg
CC-C-041-0-2-20140219	480-55092-3	POTASSIUM	2/27/2014	515	Yes	Y				163	21.7	mg/kg
CC-C-041-0-2-20140219	480-55092-3	NICKEL	2/27/2014	21	Yes	Y	J		J	27.2	0.25	mg/kg
CC-C-041-0-2-20140219	480-55092-3	ALUMINUM	2/27/2014	4930	Yes	Y		J	J	54.3	4.8	mg/kg
CC-C-041-0-2-20140219	480-55092-3	MAGNESIUM	2/27/2014	3300	Yes	Y	B	J	J	109	1.0	mg/kg
CC-C-041-0-2-20140219	480-55092-3	ANTIMONY	2/27/2014	9.3	Yes	Y	J	J	J	81.5	0.43	mg/kg
CC-C-041-0-2-20140219	480-55092-3	IRON	2/27/2014	15300	Yes	Y	B			54.3	1.2	mg/kg
CC-C-041-0-2-20140219	480-55092-3	COPPER	2/27/2014	157	Yes	Y		J	J	5.4	0.23	mg/kg
CC-C-041-0-2-20140219	480-55092-3	COBALT	2/27/2014	7.1	Yes	Y				2.7	0.054	mg/kg

SDG: 480550921

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-041-0-2-20140219	480-55092-3	CHROMIUM, TOTAL	2/27/2014	18.5	Yes	Y		J	J	2.7	0.22	mg/kg
CC-C-041-0-2-20140219	480-55092-3	CALCIUM	2/27/2014	8550	Yes	Y	B			272	3.6	mg/kg
CC-C-041-0-2-20140219	480-55092-3	CADMIUM	2/27/2014	1.2	Yes	Y				1.1	0.033	mg/kg
CC-C-041-0-2-20140219	480-55092-3	BERYLLIUM	2/27/2014	0.16	Yes	Y	J		J	1.1	0.030	mg/kg
CC-C-041-0-2-20140219	480-55092-3	BARIUM	2/27/2014	80.9	Yes	Y				2.7	0.12	mg/kg
CC-C-041-0-2-20140219	480-55092-3	MANGANESE	2/27/2014	347	Yes	Y	B			1.1	0.035	mg/kg
CC-C-041-0-2-20140219	480-55092-3	SODIUM	2/28/2014	241	Yes	Y	J		J	761	14.1	mg/kg
CC-C-041-2-4-20140219	480-55092-4	THALLIUM	2/27/2014		Yes	N	U		U	30.5	0.31	mg/kg
CC-C-041-2-4-20140219	480-55092-4	COBALT	2/27/2014	5.1	Yes	Y				2.5	0.051	mg/kg
CC-C-041-2-4-20140219	480-55092-4	SILVER	2/27/2014	0.43	Yes	Y	J		J	2.5	0.20	mg/kg
CC-C-041-2-4-20140219	480-55092-4	SELENIUM	2/27/2014		Yes	N	U		U	20.4	0.41	mg/kg
CC-C-041-2-4-20140219	480-55092-4	POTASSIUM	2/27/2014	744	Yes	Y				153	20.4	mg/kg
CC-C-041-2-4-20140219	480-55092-4	NICKEL	2/27/2014	14.8	Yes	Y	J		J	25.5	0.23	mg/kg
CC-C-041-2-4-20140219	480-55092-4	MANGANESE	2/27/2014	246	Yes	Y	B			1.0	0.033	mg/kg
CC-C-041-2-4-20140219	480-55092-4	MAGNESIUM	2/27/2014	3060	Yes	Y	B	J	J	102	0.94	mg/kg
CC-C-041-2-4-20140219	480-55092-4	LEAD	2/27/2014	106	Yes	Y		J	J	5.1	0.24	mg/kg
CC-C-041-2-4-20140219	480-55092-4	ZINC	2/27/2014	133	Yes	Y	B			10.2	0.16	mg/kg
CC-C-041-2-4-20140219	480-55092-4	COPPER	2/27/2014	43.3	Yes	Y		J	J	5.1	0.21	mg/kg
CC-C-041-2-4-20140219	480-55092-4	VANADIUM	2/27/2014	16.9	Yes	Y				2.5	0.11	mg/kg
CC-C-041-2-4-20140219	480-55092-4	CHROMIUM, TOTAL	2/27/2014	16.4	Yes	Y		J	J	2.5	0.20	mg/kg
CC-C-041-2-4-20140219	480-55092-4	CALCIUM	2/27/2014	7480	Yes	Y	B			255	3.4	mg/kg
CC-C-041-2-4-20140219	480-55092-4	CADMIUM	2/27/2014	0.48	Yes	Y	J		J	1.0	0.031	mg/kg
CC-C-041-2-4-20140219	480-55092-4	BERYLLIUM	2/27/2014	0.27	Yes	Y	J		J	1.0	0.029	mg/kg
CC-C-041-2-4-20140219	480-55092-4	BARIUM	2/27/2014	95.6	Yes	Y				2.5	0.11	mg/kg
CC-C-041-2-4-20140219	480-55092-4	ARSENIC	2/27/2014	4.8	Yes	Y	J		J	10.2	0.41	mg/kg

SDG: 480550921

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-041-2-4-20140219	480-55092-4	ANTIMONY	2/27/2014		Yes	N	U	UJ	UJ	76.4	0.41	mg/kg
CC-C-041-2-4-20140219	480-55092-4	ALUMINUM	2/27/2014	6310	Yes	Y		J	J	50.9	4.5	mg/kg
CC-C-041-2-4-20140219	480-55092-4	IRON	2/27/2014	12300	Yes	Y	B			50.9	1.1	mg/kg
CC-C-041-2-4-20140219	480-55092-4	SODIUM	2/28/2014	209	Yes	Y	J		J	713	13.2	mg/kg
CC-C-041-8-10-20140219	480-55092-5	MANGANESE	2/27/2014	65.7	Yes	Y	B			1.2	0.039	mg/kg
CC-C-041-8-10-20140219	480-55092-5	ANTIMONY	2/27/2014	1.6	Yes	Y	J	J	J	91.9	0.49	mg/kg
CC-C-041-8-10-20140219	480-55092-5	BARIUM	2/27/2014	26	Yes	Y				3.1	0.13	mg/kg
CC-C-041-8-10-20140219	480-55092-5	CADMIUM	2/27/2014	0.17	Yes	Y	J		J	1.2	0.037	mg/kg
CC-C-041-8-10-20140219	480-55092-5	CALCIUM	2/27/2014	2120	Yes	Y	B			306	4.0	mg/kg
CC-C-041-8-10-20140219	480-55092-5	CHROMIUM, TOTAL	2/27/2014	17.1	Yes	Y		J	J	3.1	0.25	mg/kg
CC-C-041-8-10-20140219	480-55092-5	COBALT	2/27/2014	3.6	Yes	Y				3.1	0.061	mg/kg
CC-C-041-8-10-20140219	480-55092-5	COPPER	2/27/2014	13.4	Yes	Y		J	J	6.1	0.26	mg/kg
CC-C-041-8-10-20140219	480-55092-5	IRON	2/27/2014	7700	Yes	Y	B			61.3	1.3	mg/kg
CC-C-041-8-10-20140219	480-55092-5	BERYLLIUM	2/27/2014	0.14	Yes	Y	J		J	1.2	0.034	mg/kg
CC-C-041-8-10-20140219	480-55092-5	MAGNESIUM	2/27/2014	975	Yes	Y	B	J	J	123	1.1	mg/kg
CC-C-041-8-10-20140219	480-55092-5	NICKEL	2/27/2014	7.1	Yes	Y	J		J	30.6	0.28	mg/kg
CC-C-041-8-10-20140219	480-55092-5	POTASSIUM	2/27/2014	368	Yes	Y				184	24.5	mg/kg
CC-C-041-8-10-20140219	480-55092-5	SELENIUM	2/27/2014		Yes	N	U		U	24.5	0.49	mg/kg
CC-C-041-8-10-20140219	480-55092-5	SILVER	2/27/2014		Yes	N	U		U	3.1	0.25	mg/kg
CC-C-041-8-10-20140219	480-55092-5	THALLIUM	2/27/2014		Yes	N	U		U	36.8	0.37	mg/kg
CC-C-041-8-10-20140219	480-55092-5	VANADIUM	2/27/2014	7.7	Yes	Y				3.1	0.13	mg/kg
CC-C-041-8-10-20140219	480-55092-5	ZINC	2/27/2014	34.8	Yes	Y	B			12.3	0.19	mg/kg
CC-C-041-8-10-20140219	480-55092-5	ALUMINUM	2/27/2014	2220	Yes	Y		J	J	61.3	5.4	mg/kg
CC-C-041-8-10-20140219	480-55092-5	LEAD	2/27/2014	32.5	Yes	Y		J	J	6.1	0.29	mg/kg
CC-C-041-8-10-20140219	480-55092-5	ARSENIC	2/27/2014	8.5	Yes	Y	J		J	12.3	0.49	mg/kg

SDG: 480550921

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-041-8-10-20140219	480-55092-5	SODIUM	2/28/2014	60.2	Yes	Y	J		J	858	15.9	mg/kg
FB003-GW-20140219	480-55092-6	ZINC	2/27/2014	0.007	Yes	Y	BJ	U	U	0.010	0.0015	mg/l
FB003-GW-20140219	480-55092-6	ARSENIC	2/27/2014		Yes	N	U		U	0.010	0.0056	mg/l
FB003-GW-20140219	480-55092-6	ANTIMONY	2/27/2014		Yes	N	U		U	0.020	0.0068	mg/l
FB003-GW-20140219	480-55092-6	ALUMINUM	2/27/2014		Yes	N	U		U	0.20	0.060	mg/l
FB003-GW-20140219	480-55092-6	POTASSIUM	2/27/2014	1.6	Yes	Y				0.50	0.10	mg/l
FB003-GW-20140219	480-55092-6	SELENIUM	2/27/2014		Yes	N	U		U	0.015	0.0087	mg/l
FB003-GW-20140219	480-55092-6	SILVER	2/27/2014		Yes	N	U		U	0.0030	0.0017	mg/l
FB003-GW-20140219	480-55092-6	BARIUM	2/27/2014	0.026	Yes	Y				0.0020	0.00070	mg/l
FB003-GW-20140219	480-55092-6	VANADIUM	2/27/2014		Yes	N	U		U	0.0050	0.0015	mg/l
FB003-GW-20140219	480-55092-6	NICKEL	2/27/2014		Yes	N	U		U	0.010	0.0013	mg/l
FB003-GW-20140219	480-55092-6	MANGANESE	2/27/2014	0.0031	Yes	Y	B			0.0030	0.00040	mg/l
FB003-GW-20140219	480-55092-6	LEAD	2/27/2014		Yes	N	U		U	0.0050	0.0030	mg/l
FB003-GW-20140219	480-55092-6	IRON	2/27/2014		Yes	N	U		U	0.050	0.019	mg/l
FB003-GW-20140219	480-55092-6	COPPER	2/27/2014	0.007	Yes	Y	J		J	0.010	0.0016	mg/l
FB003-GW-20140219	480-55092-6	CALCIUM	2/27/2014	32	Yes	Y				0.50	0.10	mg/l
FB003-GW-20140219	480-55092-6	CHROMIUM, TOTAL	2/27/2014		Yes	N	U		U	0.0040	0.0010	mg/l
FB003-GW-20140219	480-55092-6	COBALT	2/27/2014		Yes	N	U		U	0.0040	0.00063	mg/l
FB003-GW-20140219	480-55092-6	THALLIUM	2/27/2014		Yes	N	U		U	0.020	0.010	mg/l
FB003-GW-20140219	480-55092-6	CADMIUM	2/27/2014		Yes	N	U		U	0.0010	0.00050	mg/l
FB003-GW-20140219	480-55092-6	MAGNESIUM	2/27/2014	8.3	Yes	Y				0.20	0.043	mg/l
FB003-GW-20140219	480-55092-6	BERYLLIUM	2/27/2014		Yes	N	U		U	0.0020	0.00030	mg/l
FB003-GW-20140219	480-55092-6	SODIUM	2/28/2014	12.8	Yes	Y				1.0	0.32	mg/l
FB026-20140219	480-55092-7	COBALT	2/27/2014		Yes	N	U		U	0.0040	0.00063	mg/l
FB026-20140219	480-55092-7	THALLIUM	2/27/2014		Yes	N	U		U	0.020	0.010	mg/l

SDG: 480550921

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB026-20140219	480-55092-7	SODIUM	2/27/2014		Yes	N	U		U	1.0	0.32	mg/l
FB026-20140219	480-55092-7	SILVER	2/27/2014		Yes	N	U		U	0.0030	0.0017	mg/l
FB026-20140219	480-55092-7	SELENIUM	2/27/2014		Yes	N	U		U	0.015	0.0087	mg/l
FB026-20140219	480-55092-7	POTASSIUM	2/27/2014		Yes	N	U		U	0.50	0.10	mg/l
FB026-20140219	480-55092-7	NICKEL	2/27/2014		Yes	N	U		U	0.010	0.0013	mg/l
FB026-20140219	480-55092-7	MANGANESE	2/27/2014	0.00069	Yes	Y	BJ	U	U	0.0030	0.00040	mg/l
FB026-20140219	480-55092-7	MAGNESIUM	2/27/2014		Yes	N	U		U	0.20	0.043	mg/l
FB026-20140219	480-55092-7	LEAD	2/27/2014		Yes	N	U		U	0.0050	0.0030	mg/l
FB026-20140219	480-55092-7	VANADIUM	2/27/2014		Yes	N	U		U	0.0050	0.0015	mg/l
FB026-20140219	480-55092-7	COPPER	2/27/2014	0.0022	Yes	Y	J		J	0.010	0.0016	mg/l
FB026-20140219	480-55092-7	ARSENIC	2/27/2014		Yes	N	U		U	0.010	0.0056	mg/l
FB026-20140219	480-55092-7	CHROMIUM, TOTAL	2/27/2014		Yes	N	U		U	0.0040	0.0010	mg/l
FB026-20140219	480-55092-7	CALCIUM	2/27/2014		Yes	N	U		U	0.50	0.10	mg/l
FB026-20140219	480-55092-7	CADMIUM	2/27/2014		Yes	N	U		U	0.0010	0.00050	mg/l
FB026-20140219	480-55092-7	BERYLLIUM	2/27/2014		Yes	N	U		U	0.0020	0.00030	mg/l
FB026-20140219	480-55092-7	BARIUM	2/27/2014		Yes	N	U		U	0.0020	0.00070	mg/l
FB026-20140219	480-55092-7	ANTIMONY	2/27/2014		Yes	N	U		U	0.020	0.0068	mg/l
FB026-20140219	480-55092-7	IRON	2/27/2014		Yes	N	U		U	0.050	0.019	mg/l
FB026-20140219	480-55092-7	ZINC	2/27/2014		Yes	N	U		U	0.010	0.0015	mg/l
FB026-20140219	480-55092-7	ALUMINUM	2/27/2014		Yes	N	U		U	0.20	0.060	mg/l

Analytical Method		SW7470A										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672901A	4801672901A	MERCURY	2/24/2014		Yes	N	U		U	0.00020	0.00012	mg/l
FB003-GW-20140219	480-55092-6	MERCURY	2/24/2014		Yes	N	U		U	0.00020	0.00012	mg/l

SDG: 480550921

Analytical Method SW7470A

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB026-20140219	480-55092-7	MERCURY	2/24/2014		Yes	N	U		U	0.00020	0.00012	mg/l

Analytical Method SW7471B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672441A	4801672441A	MERCURY	2/24/2014		Yes	N	U		U	0.020	0.0080	mg/kg
4801676151A	4801676151A	MERCURY	2/26/2014		Yes	N	U		U	0.020	0.0082	mg/kg
CC-C-029-0-2-20140219	480-55092-1	MERCURY	2/24/2014	0.061	Yes	Y		J	J	0.022	0.0087	mg/kg
CC-C-029-2-4-20140219	480-55092-9	MERCURY	2/26/2014	0.072	Yes	Y		J	J	0.024	0.0098	mg/kg
CC-C-029-8-10-20140219	480-55092-2	MERCURY	2/24/2014	0.17	Yes	Y		J	J	0.021	0.0087	mg/kg
CC-C-041-0-2-20140219	480-55092-3	MERCURY	2/24/2014	0.12	Yes	Y		J	J	0.021	0.0084	mg/kg
CC-C-041-2-4-20140219	480-55092-4	MERCURY	2/24/2014	0.074	Yes	Y		J	J	0.021	0.0087	mg/kg
CC-C-041-8-10-20140219	480-55092-5	MERCURY	2/24/2014		Yes	N	U	UJ	UJ	0.022	0.0090	mg/kg

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672581A	4801672581A	DIELDRIN	2/25/2014		Yes	N	U		U	1.6	0.39	ug/kg
4801672581A	4801672581A	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	1.6	0.30	ug/kg
4801672581A	4801672581A	ENDRIN	2/25/2014		Yes	N	U		U	1.6	0.22	ug/kg
4801672581A	4801672581A	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	1.6	0.41	ug/kg
4801672581A	4801672581A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.6	0.29	ug/kg
4801672581A	4801672581A	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	1.6	0.52	ug/kg
4801672581A	4801672581A	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	1.6	0.20	ug/kg
4801672581A	4801672581A	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	1.6	0.42	ug/kg
4801672581A	4801672581A	METHOXYCHLOR	2/25/2014		Yes	N	U		U	1.6	0.22	ug/kg
4801672581A	4801672581A	P,P'-DDD	2/25/2014		Yes	N	U		U	1.6	0.32	ug/kg
4801672581A	4801672581A	P,P'-DDE	2/25/2014		Yes	N	U		U	1.6	0.24	ug/kg

SDG: 480550921

Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672581A	4801672581A	P,P'-DDT	2/25/2014		Yes	N	U		U	1.6	0.17	ug/kg
4801672581A	4801672581A	ALDRIN	2/25/2014		Yes	N	U		U	1.6	0.40	ug/kg
4801672581A	4801672581A	TOXAPHENE	2/25/2014		Yes	N	U		U	16	9.4	ug/kg
4801672581A	4801672581A	ENDRIN KETONE	2/25/2014		Yes	N	U		U	1.6	0.40	ug/kg
4801672581A	4801672581A	HEPTACHLOR	2/25/2014		Yes	N	U		U	1.6	0.25	ug/kg
4801672581A	4801672581A	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	1.6	0.81	ug/kg
4801672581A	4801672581A	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.6	0.20	ug/kg
4801672581A	4801672581A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.6	0.18	ug/kg
4801672581A	4801672581A	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.6	0.29	ug/kg
4801672581A	4801672581A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.6	0.21	ug/kg
4801674751A	4801674751A	P,P'-DDE	2/25/2014		Yes	N	U		U	1.6	0.24	ug/kg
4801674751A	4801674751A	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	1.6	0.20	ug/kg
4801674751A	4801674751A	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	1.6	0.52	ug/kg
4801674751A	4801674751A	HEPTACHLOR	2/25/2014		Yes	N	U		U	1.6	0.25	ug/kg
4801674751A	4801674751A	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	1.6	0.42	ug/kg
4801674751A	4801674751A	ENDRIN KETONE	2/25/2014		Yes	N	U		U	1.6	0.40	ug/kg
4801674751A	4801674751A	P,P'-DDD	2/25/2014		Yes	N	U		U	1.6	0.32	ug/kg
4801674751A	4801674751A	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	1.6	0.30	ug/kg
4801674751A	4801674751A	P,P'-DDT	2/25/2014		Yes	N	U		U	1.6	0.17	ug/kg
4801674751A	4801674751A	METHOXYCHLOR	2/25/2014		Yes	N	U		U	1.6	0.22	ug/kg
4801674751A	4801674751A	TOXAPHENE	2/25/2014		Yes	N	U		U	16	9.4	ug/kg
4801674751A	4801674751A	ENDRIN	2/25/2014		Yes	N	U		U	1.6	0.22	ug/kg
4801674751A	4801674751A	DIELDRIN	2/25/2014		Yes	N	U		U	1.6	0.39	ug/kg
4801674751A	4801674751A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014	0.524	Yes	Y	J		J	1.6	0.21	ug/kg

SDG: 480550921

Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801674751A	4801674751A	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.6	0.29	ug/kg
4801674751A	4801674751A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.6	0.18	ug/kg
4801674751A	4801674751A	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.6	0.20	ug/kg
4801674751A	4801674751A	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	1.6	0.81	ug/kg
4801674751A	4801674751A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.6	0.29	ug/kg
4801674751A	4801674751A	ALDRIN	2/25/2014		Yes	N	U		U	1.6	0.40	ug/kg
4801674751A	4801674751A	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	1.6	0.41	ug/kg
4801675361A	4801675361A	ALPHA ENDOSULFAN	2/26/2014		Yes	N	U		U	0.050	0.011	ug/l
4801675361A	4801675361A	GAMMA BHC (LINDANE)	2/26/2014		Yes	N	U		U	0.050	0.0060	ug/l
4801675361A	4801675361A	TOXAPHENE	2/26/2014		Yes	N	U		U	0.50	0.12	ug/l
4801675361A	4801675361A	P,P'-DDT	2/26/2014		Yes	N	U		U	0.050	0.011	ug/l
4801675361A	4801675361A	P,P'-DDE	2/26/2014		Yes	N	U		U	0.050	0.012	ug/l
4801675361A	4801675361A	P,P'-DDD	2/26/2014		Yes	N	U		U	0.050	0.0092	ug/l
4801675361A	4801675361A	METHOXYCHLOR	2/26/2014		Yes	N	U		U	0.050	0.014	ug/l
4801675361A	4801675361A	ENDRIN	2/26/2014		Yes	N	U		U	0.050	0.014	ug/l
4801675361A	4801675361A	HEPTACHLOR EPOXIDE	2/26/2014		Yes	N	U		U	0.050	0.0053	ug/l
4801675361A	4801675361A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	0.050	0.0066	ug/l
4801675361A	4801675361A	GAMMA CHLORDANE	2/26/2014		Yes	N	U		U	0.050	0.011	ug/l
4801675361A	4801675361A	ALDRIN	2/26/2014		Yes	N	U		U	0.050	0.0066	ug/l
4801675361A	4801675361A	ENDRIN KETONE	2/26/2014		Yes	N	U		U	0.050	0.012	ug/l
4801675361A	4801675361A	ENDRIN ALDEHYDE	2/26/2014		Yes	N	U		U	0.050	0.016	ug/l
4801675361A	4801675361A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	0.050	0.010	ug/l
4801675361A	4801675361A	DIELDRIN	2/26/2014		Yes	N	U		U	0.050	0.0098	ug/l

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801675361A	4801675361A	ENDOSULFAN SULFATE	2/26/2014		Yes	N	U		U	0.050	0.016	ug/l
4801675361A	4801675361A	BETA ENDOSULFAN	2/26/2014		Yes	N	U		U	0.050	0.012	ug/l
4801675361A	4801675361A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	0.050	0.025	ug/l
4801675361A	4801675361A	ALPHA CHLORDANE	2/26/2014		Yes	N	U		U	0.050	0.015	ug/l
4801675361A	4801675361A	HEPTACHLOR	2/26/2014		Yes	N	U		U	0.050	0.0085	ug/l
4801676231A	4801676231A	TOXAPHENE	2/26/2014		Yes	N	U		U	17	9.6	ug/kg
4801676231A	4801676231A	P,P'-DDT	2/26/2014		Yes	N	U		U	1.7	0.17	ug/kg
4801676231A	4801676231A	ALPHA CHLORDANE	2/26/2014		Yes	N	U		U	1.7	0.83	ug/kg
4801676231A	4801676231A	ALPHA ENDOSULFAN	2/26/2014		Yes	N	U		U	1.7	0.21	ug/kg
4801676231A	4801676231A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	1.7	0.18	ug/kg
4801676231A	4801676231A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/26/2014	0.371	Yes	Y	J		J	1.7	0.22	ug/kg
4801676231A	4801676231A	P,P'-DDE	2/26/2014		Yes	N	U		U	1.7	0.25	ug/kg
4801676231A	4801676231A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	1.7	0.30	ug/kg
4801676231A	4801676231A	ALDRIN	2/26/2014		Yes	N	U		U	1.7	0.41	ug/kg
4801676231A	4801676231A	DIELDRIN	2/26/2014		Yes	N	U		U	1.7	0.40	ug/kg
4801676231A	4801676231A	ENDOSULFAN SULFATE	2/26/2014		Yes	N	U		U	1.7	0.31	ug/kg
4801676231A	4801676231A	ENDRIN	2/26/2014		Yes	N	U		U	1.7	0.23	ug/kg
4801676231A	4801676231A	ENDRIN ALDEHYDE	2/26/2014		Yes	N	U		U	1.7	0.42	ug/kg
4801676231A	4801676231A	ENDRIN KETONE	2/26/2014		Yes	N	U		U	1.7	0.41	ug/kg
4801676231A	4801676231A	BETA ENDOSULFAN	2/26/2014		Yes	N	U		U	1.7	0.30	ug/kg
4801676231A	4801676231A	GAMMA CHLORDANE	2/26/2014		Yes	N	U		U	1.7	0.53	ug/kg
4801676231A	4801676231A	HEPTACHLOR	2/26/2014		Yes	N	U		U	1.7	0.26	ug/kg
4801676231A	4801676231A	HEPTACHLOR EPOXIDE	2/26/2014		Yes	N	U		U	1.7	0.43	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801676231A	4801676231A	GAMMA BHC (LINDANE)	2/26/2014		Yes	N	U		U	1.7	0.20	ug/kg
4801676231A	4801676231A	P,P'-DDD	2/26/2014		Yes	N	U		U	1.7	0.32	ug/kg
4801676231A	4801676231A	METHOXYCHLOR	2/26/2014		Yes	N	U		U	1.7	0.23	ug/kg
CC-C-029-0-2-20140219	480-55092-1	P,P'-DDD	2/25/2014	4.1	Yes	Y	J		J	19	3.8	ug/kg
CC-C-029-0-2-20140219	480-55092-1	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	19	3.5	ug/kg
CC-C-029-0-2-20140219	480-55092-1	P,P'-DDT	2/25/2014	15	Yes	Y	J		J	19	2.0	ug/kg
CC-C-029-0-2-20140219	480-55092-1	TOXAPHENE	2/25/2014		Yes	N	U		U	190	110	ug/kg
CC-C-029-0-2-20140219	480-55092-1	ALDRIN	2/25/2014		Yes	N	U		U	19	4.8	ug/kg
CC-C-029-0-2-20140219	480-55092-1	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014	4.4	Yes	Y	J		J	19	3.5	ug/kg
CC-C-029-0-2-20140219	480-55092-1	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	19	9.6	ug/kg
CC-C-029-0-2-20140219	480-55092-1	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	19	2.1	ug/kg
CC-C-029-0-2-20140219	480-55092-1	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014	3.9	Yes	Y	BJ	U	U	19	2.6	ug/kg
CC-C-029-0-2-20140219	480-55092-1	DIELDRIN	2/25/2014		Yes	N	U		U	19	4.6	ug/kg
CC-C-029-0-2-20140219	480-55092-1	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	19	3.6	ug/kg
CC-C-029-0-2-20140219	480-55092-1	METHOXYCHLOR	2/25/2014		Yes	N	U		U	19	2.7	ug/kg
CC-C-029-0-2-20140219	480-55092-1	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	19	5.0	ug/kg
CC-C-029-0-2-20140219	480-55092-1	ENDRIN KETONE	2/25/2014		Yes	N	U		U	19	4.8	ug/kg
CC-C-029-0-2-20140219	480-55092-1	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	19	2.4	ug/kg
CC-C-029-0-2-20140219	480-55092-1	GAMMA CHLORDANE	2/25/2014	9.2	Yes	Y	J		J	19	6.2	ug/kg
CC-C-029-0-2-20140219	480-55092-1	HEPTACHLOR	2/25/2014		Yes	N	U		U	19	3.0	ug/kg
CC-C-029-0-2-20140219	480-55092-1	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	19	5.0	ug/kg
CC-C-029-0-2-20140219	480-55092-1	ENDRIN	2/25/2014		Yes	N	U		U	19	2.7	ug/kg
CC-C-029-0-2-20140219	480-55092-1	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	19	2.4	ug/kg
CC-C-029-0-2-20140219	480-55092-1	P,P'-DDE	2/25/2014	12	Yes	Y	J		J	19	2.9	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-029-2-4-20140219	480-55092-9	DIELDRIN	2/26/2014		Yes	N	U		U	42	10	ug/kg
CC-C-029-2-4-20140219	480-55092-9	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	42	5.5	ug/kg
CC-C-029-2-4-20140219	480-55092-9	BETA ENDOSULFAN	2/26/2014		Yes	N	U		U	42	7.5	ug/kg
CC-C-029-2-4-20140219	480-55092-9	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	42	4.5	ug/kg
CC-C-029-2-4-20140219	480-55092-9	ALPHA ENDOSULFAN	2/26/2014		Yes	N	U		U	42	5.3	ug/kg
CC-C-029-2-4-20140219	480-55092-9	ALPHA CHLORDANE	2/26/2014		Yes	N	U		U	42	21	ug/kg
CC-C-029-2-4-20140219	480-55092-9	ALDRIN	2/26/2014		Yes	N	U		U	42	10	ug/kg
CC-C-029-2-4-20140219	480-55092-9	ENDOSULFAN SULFATE	2/26/2014		Yes	N	U		U	42	7.8	ug/kg
CC-C-029-2-4-20140219	480-55092-9	P,P'-DDT	2/26/2014		Yes	N	U		U	42	4.3	ug/kg
CC-C-029-2-4-20140219	480-55092-9	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	42	7.5	ug/kg
CC-C-029-2-4-20140219	480-55092-9	ENDRIN	2/26/2014		Yes	N	U		U	42	5.8	ug/kg
CC-C-029-2-4-20140219	480-55092-9	ENDRIN ALDEHYDE	2/26/2014		Yes	N	U		U	42	11	ug/kg
CC-C-029-2-4-20140219	480-55092-9	ENDRIN KETONE	2/26/2014		Yes	N	U		U	42	10	ug/kg
CC-C-029-2-4-20140219	480-55092-9	GAMMA BHC (LINDANE)	2/26/2014		Yes	N	U		U	42	5.2	ug/kg
CC-C-029-2-4-20140219	480-55092-9	GAMMA CHLORDANE	2/26/2014		Yes	N	U		U	42	13	ug/kg
CC-C-029-2-4-20140219	480-55092-9	HEPTACHLOR	2/26/2014		Yes	N	U		U	42	6.5	ug/kg
CC-C-029-2-4-20140219	480-55092-9	HEPTACHLOR EPOXIDE	2/26/2014		Yes	N	U		U	42	11	ug/kg
CC-C-029-2-4-20140219	480-55092-9	METHOXYCHLOR	2/26/2014		Yes	N	U		U	42	5.8	ug/kg
CC-C-029-2-4-20140219	480-55092-9	P,P'-DDE	2/26/2014		Yes	N	U		U	42	6.3	ug/kg
CC-C-029-2-4-20140219	480-55092-9	TOXAPHENE	2/26/2014		Yes	N	U		U	420	240	ug/kg
CC-C-029-2-4-20140219	480-55092-9	P,P'-DDD	2/26/2014		Yes	N	U		U	42	8.1	ug/kg
CC-C-029-8-10-20140219	480-55092-2	HEPTACHLOR	2/25/2014		Yes	N	U	UJ	UJ	1.8	0.28	ug/kg
CC-C-029-8-10-20140219	480-55092-2	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	1.8	0.34	ug/kg
CC-C-029-8-10-20140219	480-55092-2	P,P'-DDT	2/25/2014	1.9	Yes	Y		J	J	1.8	0.19	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-029-8-10-20140219	480-55092-2	P,P'-DDE	2/25/2014	1.4	Yes	Y	J	J	J	1.8	0.27	ug/kg
CC-C-029-8-10-20140219	480-55092-2	P,P'-DDD	2/25/2014	0.48	Yes	Y	J	U	U	1.8	0.35	ug/kg
CC-C-029-8-10-20140219	480-55092-2	METHOXYCHLOR	2/25/2014		Yes	N	U		U	1.8	0.25	ug/kg
CC-C-029-8-10-20140219	480-55092-2	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U	UJ	UJ	1.8	0.47	ug/kg
CC-C-029-8-10-20140219	480-55092-2	GAMMA CHLORDANE	2/25/2014	0.73	Yes	Y	J		J	1.8	0.58	ug/kg
CC-C-029-8-10-20140219	480-55092-2	ENDRIN KETONE	2/25/2014		Yes	N	U		U	1.8	0.45	ug/kg
CC-C-029-8-10-20140219	480-55092-2	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	1.8	0.22	ug/kg
CC-C-029-8-10-20140219	480-55092-2	ENDRIN	2/25/2014		Yes	N	U		U	1.8	0.25	ug/kg
CC-C-029-8-10-20140219	480-55092-2	TOXAPHENE	2/25/2014		Yes	N	U		U	18	11	ug/kg
CC-C-029-8-10-20140219	480-55092-2	DIELDRIN	2/25/2014		Yes	N	U	UJ	UJ	1.8	0.44	ug/kg
CC-C-029-8-10-20140219	480-55092-2	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.8	0.24	ug/kg
CC-C-029-8-10-20140219	480-55092-2	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	1.8	0.33	ug/kg
CC-C-029-8-10-20140219	480-55092-2	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.8	0.20	ug/kg
CC-C-029-8-10-20140219	480-55092-2	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U	UJ	UJ	1.8	0.23	ug/kg
CC-C-029-8-10-20140219	480-55092-2	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	1.8	0.90	ug/kg
CC-C-029-8-10-20140219	480-55092-2	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	1.8	0.33	ug/kg
CC-C-029-8-10-20140219	480-55092-2	ALDRIN	2/25/2014		Yes	N	U	UJ	UJ	1.8	0.45	ug/kg
CC-C-029-8-10-20140219	480-55092-2	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	1.8	0.46	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ENDRIN	2/25/2014		Yes	N	U		U	18	2.5	ug/kg
CC-C-041-0-2-20140219	480-55092-3	GAMMA CHLORDANE	2/25/2014	12	Yes	Y	J		J	18	5.8	ug/kg
CC-C-041-0-2-20140219	480-55092-3	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	18	2.3	ug/kg
CC-C-041-0-2-20140219	480-55092-3	HEPTACHLOR	2/25/2014		Yes	N	U		U	18	2.9	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	18	4.7	ug/kg
CC-C-041-0-2-20140219	480-55092-3	P,P'-DDT	2/25/2014	12	Yes	Y	J		J	18	1.9	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-041-0-2-20140219	480-55092-3	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	18	3.4	ug/kg
CC-C-041-0-2-20140219	480-55092-3	DIELDRIN	2/25/2014		Yes	N	U		U	18	4.4	ug/kg
CC-C-041-0-2-20140219	480-55092-3	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	18	2.4	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ENDRIN KETONE	2/25/2014		Yes	N	U		U	18	4.5	ug/kg
CC-C-041-0-2-20140219	480-55092-3	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	18	4.7	ug/kg
CC-C-041-0-2-20140219	480-55092-3	METHOXYCHLOR	2/25/2014		Yes	N	U		U	18	2.5	ug/kg
CC-C-041-0-2-20140219	480-55092-3	P,P'-DDE	2/25/2014	7.4	Yes	Y	J		J	18	2.7	ug/kg
CC-C-041-0-2-20140219	480-55092-3	TOXAPHENE	2/25/2014		Yes	N	U		U	180	110	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	18	2.0	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	18	2.3	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ALPHA CHLORDANE	2/25/2014	9.2	Yes	Y	J		J	18	9.1	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	18	3.3	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ALDRIN	2/25/2014		Yes	N	U		U	18	4.5	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	18	3.3	ug/kg
CC-C-041-0-2-20140219	480-55092-3	P,P'-DDD	2/25/2014	11	Yes	Y	J		J	18	3.6	ug/kg
CC-C-041-2-4-20140219	480-55092-4	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	180	46	ug/kg
CC-C-041-2-4-20140219	480-55092-4	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	180	46	ug/kg
CC-C-041-2-4-20140219	480-55092-4	TOXAPHENE	2/25/2014		Yes	N	U		U	1800	1000	ug/kg
CC-C-041-2-4-20140219	480-55092-4	P,P'-DDT	2/25/2014	71	Yes	Y	J		J	180	18	ug/kg
CC-C-041-2-4-20140219	480-55092-4	P,P'-DDE	2/25/2014	48	Yes	Y	J		J	180	27	ug/kg
CC-C-041-2-4-20140219	480-55092-4	METHOXYCHLOR	2/25/2014		Yes	N	U		U	180	25	ug/kg
CC-C-041-2-4-20140219	480-55092-4	HEPTACHLOR	2/25/2014		Yes	N	U		U	180	28	ug/kg
CC-C-041-2-4-20140219	480-55092-4	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	180	57	ug/kg
CC-C-041-2-4-20140219	480-55092-4	ALDRIN	2/25/2014		Yes	N	U		U	180	44	ug/kg

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Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RI	MDL	Units
CC-C-041-2-4-20140219	480-55092-4	ENDRIN KETONE	2/25/2014		Yes	N	U		U	180	44	ug/kg
CC-C-041-2-4-20140219	480-55092-4	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	180	32	ug/kg
CC-C-041-2-4-20140219	480-55092-4	ENDRIN	2/25/2014		Yes	N	U		U	180	25	ug/kg
CC-C-041-2-4-20140219	480-55092-4	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	180	33	ug/kg
CC-C-041-2-4-20140219	480-55092-4	DIELDRIN	2/25/2014		Yes	N	U		U	180	43	ug/kg
CC-C-041-2-4-20140219	480-55092-4	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	180	24	ug/kg
CC-C-041-2-4-20140219	480-55092-4	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	180	32	ug/kg
CC-C-041-2-4-20140219	480-55092-4	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	180	19	ug/kg
CC-C-041-2-4-20140219	480-55092-4	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	180	22	ug/kg
CC-C-041-2-4-20140219	480-55092-4	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	180	89	ug/kg
CC-C-041-2-4-20140219	480-55092-4	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	180	22	ug/kg
CC-C-041-2-4-20140219	480-55092-4	P,P'-DDD	2/25/2014	68	Yes	Y	J		J	180	35	ug/kg
CC-C-041-8-10-20140219	480-55092-5	DIELDRIN	2/25/2014		Yes	N	U		U	18	4.4	ug/kg
CC-C-041-8-10-20140219	480-55092-5	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	18	2.4	ug/kg
CC-C-041-8-10-20140219	480-55092-5	BETA ENDOSULFAN	2/25/2014		Yes	N	U		U	18	3.3	ug/kg
CC-C-041-8-10-20140219	480-55092-5	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	18	2.0	ug/kg
CC-C-041-8-10-20140219	480-55092-5	ALPHA ENDOSULFAN	2/25/2014		Yes	N	U		U	18	2.3	ug/kg
CC-C-041-8-10-20140219	480-55092-5	ALPHA CHLORDANE	2/25/2014		Yes	N	U		U	18	9.1	ug/kg
CC-C-041-8-10-20140219	480-55092-5	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/25/2014		Yes	N	U		U	18	3.3	ug/kg
CC-C-041-8-10-20140219	480-55092-5	ALDRIN	2/25/2014		Yes	N	U		U	18	4.5	ug/kg
CC-C-041-8-10-20140219	480-55092-5	ENDRIN	2/25/2014		Yes	N	U		U	18	2.5	ug/kg
CC-C-041-8-10-20140219	480-55092-5	ENDOSULFAN SULFATE	2/25/2014		Yes	N	U		U	18	3.4	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-041-8-10-20140219	480-55092-5	HEPTACHLOR EPOXIDE	2/25/2014		Yes	N	U		U	18	4.7	ug/kg
CC-C-041-8-10-20140219	480-55092-5	ENDRIN ALDEHYDE	2/25/2014		Yes	N	U		U	18	4.7	ug/kg
CC-C-041-8-10-20140219	480-55092-5	ENDRIN KETONE	2/25/2014		Yes	N	U		U	18	4.5	ug/kg
CC-C-041-8-10-20140219	480-55092-5	GAMMA BHC (LINDANE)	2/25/2014		Yes	N	U		U	18	2.3	ug/kg
CC-C-041-8-10-20140219	480-55092-5	HEPTACHLOR	2/25/2014		Yes	N	U		U	18	2.9	ug/kg
CC-C-041-8-10-20140219	480-55092-5	TOXAPHENE	2/25/2014		Yes	N	U		U	180	110	ug/kg
CC-C-041-8-10-20140219	480-55092-5	METHOXYCHLOR	2/25/2014		Yes	N	U		U	18	2.5	ug/kg
CC-C-041-8-10-20140219	480-55092-5	P,P'-DDD	2/25/2014	4.1	Yes	Y	J		J	18	3.6	ug/kg
CC-C-041-8-10-20140219	480-55092-5	P,P'-DDE	2/25/2014		Yes	N	U		U	18	2.8	ug/kg
CC-C-041-8-10-20140219	480-55092-5	P,P'-DDT	2/25/2014		Yes	N	U		U	18	1.9	ug/kg
CC-C-041-8-10-20140219	480-55092-5	GAMMA CHLORDANE	2/25/2014		Yes	N	U		U	18	5.8	ug/kg
FB026-20140219	480-55092-7	HEPTACHLOR	2/26/2014		Yes	N	U		U	0.050	0.0085	ug/l
FB026-20140219	480-55092-7	P,P'-DDE	2/26/2014		Yes	N	U		U	0.050	0.012	ug/l
FB026-20140219	480-55092-7	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	0.050	0.0099	ug/l
FB026-20140219	480-55092-7	P,P'-DDD	2/26/2014		Yes	N	U		U	0.050	0.0091	ug/l
FB026-20140219	480-55092-7	METHOXYCHLOR	2/26/2014		Yes	N	U		U	0.050	0.014	ug/l
FB026-20140219	480-55092-7	HEPTACHLOR EPOXIDE	2/26/2014		Yes	N	U		U	0.050	0.0053	ug/l
FB026-20140219	480-55092-7	GAMMA CHLORDANE	2/26/2014		Yes	N	U		U	0.050	0.011	ug/l
FB026-20140219	480-55092-7	GAMMA BHC (LINDANE)	2/26/2014		Yes	N	U		U	0.050	0.0060	ug/l
FB026-20140219	480-55092-7	ENDRIN KETONE	2/26/2014		Yes	N	U		U	0.050	0.012	ug/l
FB026-20140219	480-55092-7	ENDRIN ALDEHYDE	2/26/2014		Yes	N	U		U	0.050	0.016	ug/l
FB026-20140219	480-55092-7	ENDRIN	2/26/2014		Yes	N	U		U	0.050	0.014	ug/l
FB026-20140219	480-55092-7	TOXAPHENE	2/26/2014		Yes	N	U		U	0.50	0.12	ug/l
FB026-20140219	480-55092-7	DIELDRIN	2/26/2014		Yes	N	U		U	0.050	0.0097	ug/l

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB026-20140219	480-55092-7	P,P'-DDT	2/26/2014		Yes	N	U		U	0.050	0.011	ug/l
FB026-20140219	480-55092-7	BETA ENDOSULFAN	2/26/2014		Yes	N	U		U	0.050	0.012	ug/l
FB026-20140219	480-55092-7	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	0.050	0.025	ug/l
FB026-20140219	480-55092-7	ALPHA ENDOSULFAN	2/26/2014		Yes	N	U		U	0.050	0.011	ug/l
FB026-20140219	480-55092-7	ALPHA CHLORDANE	2/26/2014		Yes	N	U		U	0.050	0.015	ug/l
FB026-20140219	480-55092-7	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	0.050	0.0066	ug/l
FB026-20140219	480-55092-7	ALDRIN	2/26/2014		Yes	N	U		U	0.050	0.0066	ug/l
FB026-20140219	480-55092-7	ENDOSULFAN SULFATE	2/26/2014		Yes	N	U		U	0.050	0.016	ug/l

Analytical Method		SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672697	4801672697	CHLOROMETHANE	2/24/2014		Yes	N	U		U	1.0	0.35	ug/l
4801672697	4801672697	METHYL ACETATE	2/24/2014		Yes	N	U		U	2.5	0.50	ug/l
4801672697	4801672697	BROMODICHLOROMETHANE	2/24/2014		Yes	N	U		U	1.0	0.39	ug/l
4801672697	4801672697	BROMOFORM	2/24/2014		Yes	N	U		U	1.0	0.26	ug/l
4801672697	4801672697	BROMOMETHANE	2/24/2014		Yes	N	U		U	1.0	0.69	ug/l
4801672697	4801672697	CARBON DISULFIDE	2/24/2014		Yes	N	U		U	1.0	0.19	ug/l
4801672697	4801672697	CARBON TETRACHLORIDE	2/24/2014		Yes	N	U		U	1.0	0.27	ug/l
4801672697	4801672697	CHLORO BENZENE	2/24/2014		Yes	N	U		U	1.0	0.75	ug/l
4801672697	4801672697	ACETONE	2/24/2014		Yes	N	U		U	10	3.0	ug/l
4801672697	4801672697	CHLOROFORM	2/24/2014		Yes	N	U		U	1.0	0.34	ug/l
4801672697	4801672697	2-HEXANONE	2/24/2014		Yes	N	U		U	5.0	1.2	ug/l
4801672697	4801672697	CIS-1,2-DICHLOROETHYLENE	2/24/2014		Yes	N	U		U	1.0	0.81	ug/l
4801672697	4801672697	CIS-1,3-DICHLOROPROPENE	2/24/2014		Yes	N	U		U	1.0	0.36	ug/l
4801672697	4801672697	CYCLOHEXANE	2/24/2014		Yes	N	U		U	1.0	0.18	ug/l

SDG: 480550921

Analytical Method		SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672697	4801672697	DIBROMOCHLOROMETHANE	2/24/2014		Yes	N	U		U	1.0	0.32	ug/l
4801672697	4801672697	DICHLORODIFLUOROMETHANE	2/24/2014		Yes	N	U		U	1.0	0.68	ug/l
4801672697	4801672697	ETHYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.74	ug/l
4801672697	4801672697	ISOPROPYLBENZENE (CUMENE)	2/24/2014		Yes	N	U		U	1.0	0.79	ug/l
4801672697	4801672697	CHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.32	ug/l
4801672697	4801672697	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	2/24/2014		Yes	N	U		U	1.0	0.73	ug/l
4801672697	4801672697	1,1,1-TRICHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.82	ug/l
4801672697	4801672697	1,1,2,2-TETRACHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.21	ug/l
4801672697	4801672697	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.31	ug/l
4801672697	4801672697	1,1,2-TRICHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.23	ug/l
4801672697	4801672697	1,1-DICHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.38	ug/l
4801672697	4801672697	1,1-DICHLOROETHENE	2/24/2014		Yes	N	U		U	1.0	0.29	ug/l
4801672697	4801672697	1,2,4-TRICHLOROBENZENE	2/24/2014		Yes	N	U		U	1.0	0.41	ug/l
4801672697	4801672697	BENZENE	2/24/2014		Yes	N	U		U	1.0	0.41	ug/l
4801672697	4801672697	1,2-DIBROMO-3-CHLOROPROPANE	2/24/2014		Yes	N	U		U	1.0	0.39	ug/l
4801672697	4801672697	METHYL ETHYL KETONE (2-BUTANONE)	2/24/2014		Yes	N	U		U	10	1.3	ug/l
4801672697	4801672697	1,2-DICHLOROBENZENE	2/24/2014		Yes	N	U		U	1.0	0.79	ug/l
4801672697	4801672697	1,2-DICHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.21	ug/l
4801672697	4801672697	1,2-DICHLOROPROPANE	2/24/2014		Yes	N	U		U	1.0	0.72	ug/l
4801672697	4801672697	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	2/24/2014		Yes	N	U		U	1.0	0.77	ug/l
4801672697	4801672697	1,3-DICHLOROBENZENE	2/24/2014		Yes	N	U		U	1.0	0.78	ug/l
4801672697	4801672697	1,4-DICHLOROBENZENE	2/24/2014		Yes	N	U		U	1.0	0.84	ug/l
4801672697	4801672697	1,4-DIOXANE (P-DIOXANE)	2/24/2014		Yes	N	U		U	40	9.3	ug/l

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Analytical Method		SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672697	4801672697	1,2,4-TRIMETHYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.75	ug/l
4801672697	4801672697	TRANS-1,3-DICHLOROPROPENE	2/24/2014		Yes	N	U		U	1.0	0.37	ug/l
4801672697	4801672697	N-PROPYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.69	ug/l
4801672697	4801672697	N-BUTYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.64	ug/l
4801672697	4801672697	XYLENES, TOTAL	2/24/2014		Yes	N	U		U	2.0	0.66	ug/l
4801672697	4801672697	VINYL CHLORIDE	2/24/2014		Yes	N	U		U	1.0	0.90	ug/l
4801672697	4801672697	METHYLENE CHLORIDE	2/24/2014		Yes	N	U		U	1.0	0.44	ug/l
4801672697	4801672697	TRICHLOROETHYLENE (TCE)	2/24/2014		Yes	N	U		U	1.0	0.46	ug/l
4801672697	4801672697	METHYLCYCLOHEXANE	2/24/2014		Yes	N	U		U	1.0	0.16	ug/l
4801672697	4801672697	TRANS-1,2-DICHLOROETHENE	2/24/2014		Yes	N	U		U	1.0	0.90	ug/l
4801672697	4801672697	TOLUENE	2/24/2014		Yes	N	U		U	1.0	0.51	ug/l
4801672697	4801672697	TETRACHLOROETHYLENE(PCE)	2/24/2014		Yes	N	U		U	1.0	0.36	ug/l
4801672697	4801672697	TERT-BUTYL METHYL ETHER	2/24/2014		Yes	N	U		U	1.0	0.16	ug/l
4801672697	4801672697	T-BUTYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.81	ug/l
4801672697	4801672697	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	2/24/2014		Yes	N	U		U	5.0	2.1	ug/l
4801672697	4801672697	STYRENE	2/24/2014		Yes	N	U		U	1.0	0.73	ug/l
4801672697	4801672697	SEC-BUTYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.75	ug/l
4801672697	4801672697	TRICHLOROFLUOROMETHANE	2/24/2014		Yes	N	U		U	1.0	0.88	ug/l
FB003-GW-20140219	480-55092-6	VINYL CHLORIDE	2/24/2014		Yes	N	U		U	1.0	0.90	ug/l
FB003-GW-20140219	480-55092-6	TRICHLOROFLUOROMETHANE	2/24/2014		Yes	N	U		U	1.0	0.88	ug/l
FB003-GW-20140219	480-55092-6	1,4-DIOXANE (P-DIOXANE)	2/24/2014		Yes	N	U		U	40	9.3	ug/l
FB003-GW-20140219	480-55092-6	N-PROPYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.69	ug/l
FB003-GW-20140219	480-55092-6	TRICHLOROETHYLENE (TCE)	2/24/2014		Yes	N	U		U	1.0	0.46	ug/l
FB003-GW-20140219	480-55092-6	DIBROMOCHLOROMETHANE	2/24/2014		Yes	N	U		U	1.0	0.32	ug/l

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Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB003-GW-20140219	480-55092-6	ETHYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.74	ug/l
FB003-GW-20140219	480-55092-6	METHYL ACETATE	2/24/2014		Yes	N	U		U	2.5	0.50	ug/l
FB003-GW-20140219	480-55092-6	METHYL ETHYL KETONE (2-BUTANONE)	2/24/2014		Yes	N	U		U	10	1.3	ug/l
FB003-GW-20140219	480-55092-6	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	2/24/2014		Yes	N	U		U	5.0	2.1	ug/l
FB003-GW-20140219	480-55092-6	METHYLCYCLOHEXANE	2/24/2014		Yes	N	U		U	1.0	0.16	ug/l
FB003-GW-20140219	480-55092-6	TRANS-1,3-DICHLOROPROPENE	2/24/2014		Yes	N	U		U	1.0	0.37	ug/l
FB003-GW-20140219	480-55092-6	N-BUTYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.64	ug/l
FB003-GW-20140219	480-55092-6	CYCLOHEXANE	2/24/2014		Yes	N	U		U	1.0	0.18	ug/l
FB003-GW-20140219	480-55092-6	SEC-BUTYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.75	ug/l
FB003-GW-20140219	480-55092-6	STYRENE	2/24/2014		Yes	N	U		U	1.0	0.73	ug/l
FB003-GW-20140219	480-55092-6	T-BUTYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.81	ug/l
FB003-GW-20140219	480-55092-6	TERT-BUTYL METHYL ETHER	2/24/2014		Yes	N	U		U	1.0	0.16	ug/l
FB003-GW-20140219	480-55092-6	TETRACHLOROETHYLENE(PCE)	2/24/2014		Yes	N	U		U	1.0	0.36	ug/l
FB003-GW-20140219	480-55092-6	TOLUENE	2/24/2014		Yes	N	U		U	1.0	0.51	ug/l
FB003-GW-20140219	480-55092-6	TRANS-1,2-DICHLOROETHENE	2/24/2014		Yes	N	U		U	1.0	0.90	ug/l
FB003-GW-20140219	480-55092-6	METHYLENE CHLORIDE	2/24/2014	0.53	Yes	Y	J		J	1.0	0.44	ug/l
FB003-GW-20140219	480-55092-6	1,2,4-TRICHLOROBENZENE	2/24/2014		Yes	N	U		U	1.0	0.41	ug/l
FB003-GW-20140219	480-55092-6	ACETONE	2/24/2014		Yes	N	U		U	10	3.0	ug/l
FB003-GW-20140219	480-55092-6	1,2-DICHLOROPROPANE	2/24/2014		Yes	N	U		U	1.0	0.72	ug/l
FB003-GW-20140219	480-55092-6	1,2-DICHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.21	ug/l
FB003-GW-20140219	480-55092-6	1,2-DICHLOROBENZENE	2/24/2014		Yes	N	U		U	1.0	0.79	ug/l
FB003-GW-20140219	480-55092-6	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	2/24/2014		Yes	N	U		U	1.0	0.73	ug/l
FB003-GW-20140219	480-55092-6	1,3-DICHLOROBENZENE	2/24/2014		Yes	N	U		U	1.0	0.78	ug/l
FB003-GW-20140219	480-55092-6	1,2,4-TRIMETHYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.75	ug/l

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Analytical Method		SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB003-GW-20140219	480-55092-6	1,4-DICHLOROBENZENE	2/24/2014		Yes	N	U		U	1.0	0.84	ug/l
FB003-GW-20140219	480-55092-6	1,1-DICHLOROETHENE	2/24/2014		Yes	N	U		U	1.0	0.29	ug/l
FB003-GW-20140219	480-55092-6	1,1-DICHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.38	ug/l
FB003-GW-20140219	480-55092-6	1,1,2-TRICHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.23	ug/l
FB003-GW-20140219	480-55092-6	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.31	ug/l
FB003-GW-20140219	480-55092-6	1,1,2,2-TETRACHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.21	ug/l
FB003-GW-20140219	480-55092-6	1,1,1-TRICHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.82	ug/l
FB003-GW-20140219	480-55092-6	1,2-DIBROMO-3-CHLOROPROPANE	2/24/2014		Yes	N	U		U	1.0	0.39	ug/l
FB003-GW-20140219	480-55092-6	BROMOMETHANE	2/24/2014		Yes	N	U		U	1.0	0.69	ug/l
FB003-GW-20140219	480-55092-6	CIS-1,2-DICHLOROETHYLENE	2/24/2014		Yes	N	U		U	1.0	0.81	ug/l
FB003-GW-20140219	480-55092-6	CHLOROMETHANE	2/24/2014		Yes	N	U		U	1.0	0.35	ug/l
FB003-GW-20140219	480-55092-6	CHLOROFORM	2/24/2014		Yes	N	U		U	1.0	0.34	ug/l
FB003-GW-20140219	480-55092-6	CHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.32	ug/l
FB003-GW-20140219	480-55092-6	CHLOROBENZENE	2/24/2014		Yes	N	U		U	1.0	0.75	ug/l
FB003-GW-20140219	480-55092-6	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	2/24/2014		Yes	N	U		U	1.0	0.77	ug/l
FB003-GW-20140219	480-55092-6	CARBON DISULFIDE	2/24/2014		Yes	N	U		U	1.0	0.19	ug/l
FB003-GW-20140219	480-55092-6	CIS-1,3-DICHLOROPROPENE	2/24/2014		Yes	N	U		U	1.0	0.36	ug/l
FB003-GW-20140219	480-55092-6	BROMOFORM	2/24/2014		Yes	N	U		U	1.0	0.26	ug/l
FB003-GW-20140219	480-55092-6	BROMODICHLOROMETHANE	2/24/2014		Yes	N	U		U	1.0	0.39	ug/l
FB003-GW-20140219	480-55092-6	BENZENE	2/24/2014		Yes	N	U		U	1.0	0.41	ug/l
FB003-GW-20140219	480-55092-6	XYLENES, TOTAL	2/24/2014		Yes	N	U		U	2.0	0.66	ug/l
FB003-GW-20140219	480-55092-6	2-HEXANONE	2/24/2014		Yes	N	U		U	5.0	1.2	ug/l
FB003-GW-20140219	480-55092-6	ISOPROPYLBENZENE (CUMENE)	2/24/2014		Yes	N	U		U	1.0	0.79	ug/l
FB003-GW-20140219	480-55092-6	CARBON TETRACHLORIDE	2/24/2014		Yes	N	U		U	1.0	0.27	ug/l

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Analytical Method		SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB003-GW-20140219	480-55092-6	DICHLORODIFLUOROMETHANE	2/24/2014		Yes	N	U		U	1.0	0.68	ug/l
TB-20140219	480-55092-8	BROMOFORM	2/24/2014		Yes	N	U		U	1.0	0.26	ug/l
TB-20140219	480-55092-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	2/24/2014		Yes	N	U		U	1.0	0.77	ug/l
TB-20140219	480-55092-8	ISOPROPYLBENZENE (CUMENE)	2/24/2014		Yes	N	U		U	1.0	0.79	ug/l
TB-20140219	480-55092-8	1,1,1-TRICHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.82	ug/l
TB-20140219	480-55092-8	1,1,2,2-TETRACHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.21	ug/l
TB-20140219	480-55092-8	1,1,2-TRICHLORO-1,2,2- TRIFLUOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.31	ug/l
TB-20140219	480-55092-8	METHYL ACETATE	2/24/2014		Yes	N	U		U	2.5	0.50	ug/l
TB-20140219	480-55092-8	1,1-DICHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.38	ug/l
TB-20140219	480-55092-8	1,2,4-TRICHLOROBENZENE	2/24/2014		Yes	N	U		U	1.0	0.41	ug/l
TB-20140219	480-55092-8	1,2,4-TRIMETHYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.75	ug/l
TB-20140219	480-55092-8	CARBON TETRACHLORIDE	2/24/2014		Yes	N	U		U	1.0	0.27	ug/l
TB-20140219	480-55092-8	1,3-DICHLOROBENZENE	2/24/2014		Yes	N	U		U	1.0	0.78	ug/l
TB-20140219	480-55092-8	BROMOMETHANE	2/24/2014		Yes	N	U		U	1.0	0.69	ug/l
TB-20140219	480-55092-8	1,1,2-TRICHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.23	ug/l
TB-20140219	480-55092-8	BROMODICHLOROMETHANE	2/24/2014		Yes	N	U		U	1.0	0.39	ug/l
TB-20140219	480-55092-8	BENZENE	2/24/2014		Yes	N	U		U	1.0	0.41	ug/l
TB-20140219	480-55092-8	ACETONE	2/24/2014		Yes	N	U		U	10	3.0	ug/l
TB-20140219	480-55092-8	2-HEXANONE	2/24/2014		Yes	N	U		U	5.0	1.2	ug/l
TB-20140219	480-55092-8	1,4-DIOXANE (P-DIOXANE)	2/24/2014		Yes	N	U		U	40	9.3	ug/l
TB-20140219	480-55092-8	1,4-DICHLOROBENZENE	2/24/2014		Yes	N	U		U	1.0	0.84	ug/l
TB-20140219	480-55092-8	CHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.32	ug/l
TB-20140219	480-55092-8	1,2-DIBROMO-3-CHLOROPROPANE	2/24/2014		Yes	N	U		U	1.0	0.39	ug/l
TB-20140219	480-55092-8	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	2/24/2014		Yes	N	U		U	1.0	0.73	ug/l

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Analytical Method		SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
TB-20140219	480-55092-8	1,2-DICHLOROBENZENE	2/24/2014		Yes	N	U		U	1.0	0.79	ug/l
TB-20140219	480-55092-8	1,2-DICHLOROETHANE	2/24/2014		Yes	N	U		U	1.0	0.21	ug/l
TB-20140219	480-55092-8	1,2-DICHLOROPROPANE	2/24/2014		Yes	N	U		U	1.0	0.72	ug/l
TB-20140219	480-55092-8	CARBON DISULFIDE	2/24/2014		Yes	N	U		U	1.0	0.19	ug/l
TB-20140219	480-55092-8	TOLUENE	2/24/2014		Yes	N	U		U	1.0	0.51	ug/l
TB-20140219	480-55092-8	METHYLENE CHLORIDE	2/24/2014		Yes	N	U		U	1.0	0.44	ug/l
TB-20140219	480-55092-8	METHYLCYCLOHEXANE	2/24/2014		Yes	N	U		U	1.0	0.16	ug/l
TB-20140219	480-55092-8	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	2/24/2014		Yes	N	U		U	5.0	2.1	ug/l
TB-20140219	480-55092-8	METHYL ETHYL KETONE (2-BUTANONE)	2/24/2014		Yes	N	U		U	10	1.3	ug/l
TB-20140219	480-55092-8	N-PROPYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.69	ug/l
TB-20140219	480-55092-8	1,1-DICHLOROETHENE	2/24/2014		Yes	N	U		U	1.0	0.29	ug/l
TB-20140219	480-55092-8	XYLENES, TOTAL	2/24/2014		Yes	N	U		U	2.0	0.66	ug/l
TB-20140219	480-55092-8	STYRENE	2/24/2014		Yes	N	U		U	1.0	0.73	ug/l
TB-20140219	480-55092-8	T-BUTYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.81	ug/l
TB-20140219	480-55092-8	N-BUTYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.64	ug/l
TB-20140219	480-55092-8	TETRACHLOROETHYLENE(PCE)	2/24/2014		Yes	N	U		U	1.0	0.36	ug/l
TB-20140219	480-55092-8	SEC-BUTYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.75	ug/l
TB-20140219	480-55092-8	TRANS-1,2-DICHLOROETHENE	2/24/2014		Yes	N	U		U	1.0	0.90	ug/l
TB-20140219	480-55092-8	DIBROMOCHLOROMETHANE	2/24/2014		Yes	N	U		U	1.0	0.32	ug/l
TB-20140219	480-55092-8	CHLOROFORM	2/24/2014		Yes	N	U		U	1.0	0.34	ug/l
TB-20140219	480-55092-8	CHLOROMETHANE	2/24/2014		Yes	N	U		U	1.0	0.35	ug/l
TB-20140219	480-55092-8	CIS-1,2-DICHLOROETHYLENE	2/24/2014		Yes	N	U		U	1.0	0.81	ug/l
TB-20140219	480-55092-8	CIS-1,3-DICHLOROPROPENE	2/24/2014		Yes	N	U		U	1.0	0.36	ug/l
TB-20140219	480-55092-8	TERT-BUTYL METHYL ETHER	2/24/2014		Yes	N	U		U	1.0	0.16	ug/l

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Analytical Method		SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
TB-20140219	480-55092-8	CYCLOHEXANE	2/24/2014		Yes	N	U		U	1.0	0.18	ug/l
TB-20140219	480-55092-8	TRANS-1,3-DICHLOROPROPENE	2/24/2014		Yes	N	U		U	1.0	0.37	ug/l
TB-20140219	480-55092-8	DICHLORODIFLUOROMETHANE	2/24/2014		Yes	N	U		U	1.0	0.68	ug/l
TB-20140219	480-55092-8	ETHYLBENZENE	2/24/2014		Yes	N	U		U	1.0	0.74	ug/l
TB-20140219	480-55092-8	VINYL CHLORIDE	2/24/2014		Yes	N	U		U	1.0	0.90	ug/l
TB-20140219	480-55092-8	TRICHLOROFLUOROMETHANE	2/24/2014		Yes	N	U		U	1.0	0.88	ug/l
TB-20140219	480-55092-8	CHLOROBENZENE	2/24/2014		Yes	N	U		U	1.0	0.75	ug/l
TB-20140219	480-55092-8	TRICHLOROETHYLENE (TCE)	2/24/2014		Yes	N	U		U	1.0	0.46	ug/l
Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672651A	4801672651A	4-CHLOROPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	170	3.5	ug/kg
4801672651A	4801672651A	4-METHYLPHENOL (P-CRESOL)	2/25/2014		Yes	N	U		U	320	9.2	ug/kg
4801672651A	4801672651A	4-CHLORO-3-METHYLPHENOL	2/25/2014		Yes	N	U		U	170	6.8	ug/kg
4801672651A	4801672651A	4-BROMOPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	170	53	ug/kg
4801672651A	4801672651A	4,6-DINITRO-2-METHYLPHENOL	2/25/2014		Yes	N	U		U	320	57	ug/kg
4801672651A	4801672651A	4-CHLOROANILINE	2/25/2014		Yes	N	U		U	170	49	ug/kg
4801672651A	4801672651A	3-NITROANILINE	2/25/2014		Yes	N	U		U	320	38	ug/kg
4801672651A	4801672651A	3,3'-DICHLOROBENZIDINE	2/25/2014		Yes	N	U		U	170	150	ug/kg
4801672651A	4801672651A	2-NITROPHENOL	2/25/2014		Yes	N	U		U	170	7.6	ug/kg
4801672651A	4801672651A	2-NITROANILINE	2/25/2014		Yes	N	U		U	320	53	ug/kg
4801672651A	4801672651A	2-METHYLPHENOL (O-CRESOL)	2/25/2014		Yes	N	U		U	170	5.1	ug/kg
4801672651A	4801672651A	2-METHYLNAPHTHALENE	2/25/2014		Yes	N	U		U	170	2.0	ug/kg
4801672651A	4801672651A	2-CHLOROPHENOL	2/25/2014		Yes	N	U		U	170	8.4	ug/kg
4801672651A	4801672651A	2-CHLORONAPHTHALENE	2/25/2014		Yes	N	U		U	170	11	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672651A	4801672651A	2,4-DINITROTOLUENE	2/25/2014		Yes	N	U		U	170	26	ug/kg
4801672651A	4801672651A	4-NITROANILINE	2/25/2014		Yes	N	U		U	320	19	ug/kg
4801672651A	4801672651A	2,6-DINITROTOLUENE	2/25/2014		Yes	N	U		U	170	41	ug/kg
4801672651A	4801672651A	BENZYL BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	170	45	ug/kg
4801672651A	4801672651A	FLUORENE	2/25/2014		Yes	N	U		U	170	3.8	ug/kg
4801672651A	4801672651A	FLUORANTHENE	2/25/2014		Yes	N	U		U	170	2.4	ug/kg
4801672651A	4801672651A	DI-N-OCTYLPHTHALATE	2/25/2014		Yes	N	U		U	170	3.9	ug/kg
4801672651A	4801672651A	DI-N-BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	170	57	ug/kg
4801672651A	4801672651A	DIMETHYL PHTHALATE	2/25/2014		Yes	N	U		U	170	4.3	ug/kg
4801672651A	4801672651A	DIETHYL PHTHALATE	2/25/2014		Yes	N	U		U	170	5.0	ug/kg
4801672651A	4801672651A	DIBENZOFURAN	2/25/2014		Yes	N	U		U	170	1.7	ug/kg
4801672651A	4801672651A	DIBENZ(A,H)ANTHRACENE	2/25/2014		Yes	N	U		U	170	2.0	ug/kg
4801672651A	4801672651A	CHRYSENE	2/25/2014		Yes	N	U		U	170	1.7	ug/kg
4801672651A	4801672651A	CARBAZOLE	2/25/2014		Yes	N	U		U	170	1.9	ug/kg
4801672651A	4801672651A	CAPROLACTAM	2/25/2014		Yes	N	U		U	170	72	ug/kg
4801672651A	4801672651A	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/25/2014		Yes	N	U		U	170	14	ug/kg
4801672651A	4801672651A	BIS(2-CHLOROETHOXY) METHANE	2/25/2014		Yes	N	U		U	170	9.0	ug/kg
4801672651A	4801672651A	BIPHENYL (DIPHENYL)	2/25/2014		Yes	N	U		U	170	10	ug/kg
4801672651A	4801672651A	4-NITROPHENOL	2/25/2014		Yes	N	U		U	320	40	ug/kg
4801672651A	4801672651A	BENZO(K)FLUORANTHENE	2/25/2014		Yes	N	U		U	170	1.8	ug/kg
4801672651A	4801672651A	BENZO(G,H,I)PERYLENE	2/25/2014		Yes	N	U		U	170	2.0	ug/kg
4801672651A	4801672651A	BENZO(B)FLUORANTHENE	2/25/2014		Yes	N	U		U	170	3.2	ug/kg
4801672651A	4801672651A	BENZO(A)PYRENE	2/25/2014		Yes	N	U		U	170	4.0	ug/kg
4801672651A	4801672651A	BENZO(A)ANTHRACENE	2/25/2014		Yes	N	U		U	170	2.9	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672651A	4801672651A	BENZALDEHYDE	2/25/2014		Yes	N	U		U	170	18	ug/kg
4801672651A	4801672651A	HEXACHLOROBENZENE	2/25/2014		Yes	N	U		U	170	8.2	ug/kg
4801672651A	4801672651A	ATRAZINE	2/25/2014		Yes	N	U		U	170	7.4	ug/kg
4801672651A	4801672651A	ANTHRACENE	2/25/2014		Yes	N	U		U	170	4.2	ug/kg
4801672651A	4801672651A	ACETOPHENONE	2/25/2014		Yes	N	U		U	170	8.5	ug/kg
4801672651A	4801672651A	ACENAPHTHYLENE	2/25/2014		Yes	N	U		U	170	1.4	ug/kg
4801672651A	4801672651A	ACENAPHTHENE	2/25/2014		Yes	N	U		U	170	1.9	ug/kg
4801672651A	4801672651A	BIS(2-CHLOROISOPROPYL) ETHER	2/25/2014		Yes	N	U		U	170	17	ug/kg
4801672651A	4801672651A	BIS(2-ETHYLHEXYL) PHTHALATE	2/25/2014		Yes	N	U		U	170	53	ug/kg
4801672651A	4801672651A	2,4,6-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	170	11	ug/kg
4801672651A	4801672651A	2,4-DICHLOROPHENOL	2/25/2014		Yes	N	U		U	170	8.7	ug/kg
4801672651A	4801672651A	2,4-DIMETHYLPHENOL	2/25/2014		Yes	N	U		U	170	45	ug/kg
4801672651A	4801672651A	2,4-DINITROPHENOL	2/25/2014		Yes	N	U		U	320	58	ug/kg
4801672651A	4801672651A	PENTACHLOROPHENOL	2/25/2014		Yes	N	U		U	320	57	ug/kg
4801672651A	4801672651A	N-NITROSODI-N-PROPYLAMINE	2/25/2014		Yes	N	U		U	170	13	ug/kg
4801672651A	4801672651A	2,4,5-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	170	36	ug/kg
4801672651A	4801672651A	NAPHTHALENE	2/25/2014		Yes	N	U		U	170	2.8	ug/kg
4801672651A	4801672651A	N-NITROSODIPHENYLAMINE	2/25/2014		Yes	N	U		U	170	9.1	ug/kg
4801672651A	4801672651A	ISOPHORONE	2/25/2014		Yes	N	U		U	170	8.3	ug/kg
4801672651A	4801672651A	HEXACHLOROBUTADIENE	2/25/2014		Yes	N	U		U	170	8.5	ug/kg
4801672651A	4801672651A	HEXACHLOROCYCLOPENTADIENE	2/25/2014		Yes	N	U		U	170	50	ug/kg
4801672651A	4801672651A	HEXACHLOROETHANE	2/25/2014		Yes	N	U		U	170	13	ug/kg
4801672651A	4801672651A	INDENO(1,2,3-C,D)PYRENE	2/25/2014		Yes	N	U		U	170	4.6	ug/kg
4801672651A	4801672651A	PHENANTHRENE	2/25/2014		Yes	N	U		U	170	3.5	ug/kg
4801672651A	4801672651A	PHENOL	2/25/2014		Yes	N	U		U	170	17	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801672651A	4801672651A	PYRENE	2/25/2014		Yes	N	U		U	170	1.1	ug/kg
4801672651A	4801672651A	NITROBENZENE	2/25/2014		Yes	N	U		U	170	7.4	ug/kg
4801673471A	4801673471A	FLUORENE	2/25/2014		Yes	N	U		U	5.0	0.36	ug/l
4801673471A	4801673471A	FLUORANTHENE	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
4801673471A	4801673471A	DI-N-OCTYLPHTHALATE	2/25/2014		Yes	N	U		U	5.0	0.47	ug/l
4801673471A	4801673471A	DI-N-BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	5.0	0.31	ug/l
4801673471A	4801673471A	DIMETHYL PHTHALATE	2/25/2014		Yes	N	U		U	5.0	0.36	ug/l
4801673471A	4801673471A	DIBENZOFURAN	2/25/2014		Yes	N	U		U	10	0.51	ug/l
4801673471A	4801673471A	CHRYSENE	2/25/2014		Yes	N	U		U	5.0	0.33	ug/l
4801673471A	4801673471A	CAPROLACTAM	2/25/2014		Yes	N	U		U	5.0	2.2	ug/l
4801673471A	4801673471A	NAPHTHALENE	2/25/2014		Yes	N	U		U	5.0	0.76	ug/l
4801673471A	4801673471A	CARBAZOLE	2/25/2014		Yes	N	U		U	5.0	0.30	ug/l
4801673471A	4801673471A	HEXACHLORO BENZENE	2/25/2014		Yes	N	U		U	5.0	0.51	ug/l
4801673471A	4801673471A	HEXACHLOROBUTADIENE	2/25/2014		Yes	N	U		U	5.0	0.68	ug/l
4801673471A	4801673471A	HEXACHLOROCYCLOPENTADIENE	2/25/2014		Yes	N	U		U	5.0	0.59	ug/l
4801673471A	4801673471A	HEXACHLOROETHANE	2/25/2014		Yes	N	U		U	5.0	0.59	ug/l
4801673471A	4801673471A	BIS(2-ETHYLHEXYL) PHTHALATE	2/25/2014		Yes	N	U		U	5.0	1.8	ug/l
4801673471A	4801673471A	ISOPHORONE	2/25/2014		Yes	N	U		U	5.0	0.43	ug/l
4801673471A	4801673471A	DIBENZ(A,H)ANTHRACENE	2/25/2014		Yes	N	U		U	5.0	0.42	ug/l
4801673471A	4801673471A	NITROBENZENE	2/25/2014		Yes	N	U		U	5.0	0.29	ug/l
4801673471A	4801673471A	N-NITROSODI-N-PROPYLAMINE	2/25/2014		Yes	N	U		U	5.0	0.54	ug/l
4801673471A	4801673471A	N-NITROSODIPHENYLAMINE	2/25/2014		Yes	N	U		U	5.0	0.51	ug/l
4801673471A	4801673471A	PENTACHLOROPHENOL	2/25/2014		Yes	N	U		U	10	2.2	ug/l
4801673471A	4801673471A	PHENANTHRENE	2/25/2014		Yes	N	U		U	5.0	0.44	ug/l
4801673471A	4801673471A	PHENOL	2/25/2014		Yes	N	U		U	5.0	0.39	ug/l

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801673471A	4801673471A	PYRENE	2/25/2014		Yes	N	U		U	5.0	0.34	ug/l
4801673471A	4801673471A	INDENO(1,2,3-C,D)PYRENE	2/25/2014		Yes	N	U		U	5.0	0.47	ug/l
4801673471A	4801673471A	2-CHLOROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.53	ug/l
4801673471A	4801673471A	4-CHLOROANILINE	2/25/2014		Yes	N	U		U	5.0	0.59	ug/l
4801673471A	4801673471A	4-CHLORO-3-METHYLPHENOL	2/25/2014		Yes	N	U		U	5.0	0.45	ug/l
4801673471A	4801673471A	4-BROMOPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	5.0	0.45	ug/l
4801673471A	4801673471A	4,6-DINITRO-2-METHYLPHENOL	2/25/2014		Yes	N	U		U	10	2.2	ug/l
4801673471A	4801673471A	3-NITROANILINE	2/25/2014		Yes	N	U		U	10	0.48	ug/l
4801673471A	4801673471A	BIS(2-CHLOROISOPROPYL) ETHER	2/25/2014		Yes	N	U		U	5.0	0.52	ug/l
4801673471A	4801673471A	2-NITROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.48	ug/l
4801673471A	4801673471A	DIETHYL PHTHALATE	2/25/2014		Yes	N	U		U	5.0	0.22	ug/l
4801673471A	4801673471A	4-CHLOROPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	5.0	0.35	ug/l
4801673471A	4801673471A	2-METHYLNAPHTHALENE	2/25/2014		Yes	N	U		U	5.0	0.60	ug/l
4801673471A	4801673471A	3,3'-DICHLOROBENZIDINE	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
4801673471A	4801673471A	2-CHLORONAPHTHALENE	2/25/2014		Yes	N	U		U	5.0	0.46	ug/l
4801673471A	4801673471A	2,6-DINITROTOLUENE	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
4801673471A	4801673471A	2,4-DINITROTOLUENE	2/25/2014		Yes	N	U		U	5.0	0.45	ug/l
4801673471A	4801673471A	2,4-DINITROPHENOL	2/25/2014		Yes	N	U		U	10	2.2	ug/l
4801673471A	4801673471A	2,4-DIMETHYLPHENOL	2/25/2014		Yes	N	U		U	5.0	0.50	ug/l
4801673471A	4801673471A	2,4-DICHLOROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.51	ug/l
4801673471A	4801673471A	2,4,6-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.61	ug/l
4801673471A	4801673471A	2,4,5-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.48	ug/l
4801673471A	4801673471A	2-METHYLPHENOL (O-CRESOL)	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
4801673471A	4801673471A	BENZO(A)ANTHRACENE	2/25/2014		Yes	N	U		U	5.0	0.36	ug/l
4801673471A	4801673471A	2-NITROANILINE	2/25/2014		Yes	N	U		U	10	0.42	ug/l

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801673471A	4801673471A	BENZYL BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	5.0	0.42	ug/l
4801673471A	4801673471A	4-METHYLPHENOL (P-CRESOL)	2/25/2014		Yes	N	U		U	10	0.36	ug/l
4801673471A	4801673471A	BIPHENYL (DIPHENYL)	2/25/2014		Yes	N	U		U	5.0	0.65	ug/l
4801673471A	4801673471A	BIS(2-CHLOROETHOXY) METHANE	2/25/2014		Yes	N	U		U	5.0	0.35	ug/l
4801673471A	4801673471A	BENZO(B)FLUORANTHENE	2/25/2014		Yes	N	U		U	5.0	0.34	ug/l
4801673471A	4801673471A	BENZO(K)FLUORANTHENE	2/25/2014		Yes	N	U		U	5.0	0.73	ug/l
4801673471A	4801673471A	BENZO(A)PYRENE	2/25/2014		Yes	N	U		U	5.0	0.47	ug/l
4801673471A	4801673471A	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
4801673471A	4801673471A	BENZALDEHYDE	2/25/2014		Yes	N	U		U	5.0	0.27	ug/l
4801673471A	4801673471A	ATRAZINE	2/25/2014		Yes	N	U		U	5.0	0.46	ug/l
4801673471A	4801673471A	ANTHRACENE	2/25/2014		Yes	N	U		U	5.0	0.28	ug/l
4801673471A	4801673471A	ACETOPHENONE	2/25/2014		Yes	N	U		U	5.0	0.54	ug/l
4801673471A	4801673471A	ACENAPHTHYLENE	2/25/2014		Yes	N	U		U	5.0	0.38	ug/l
4801673471A	4801673471A	ACENAPHTHENE	2/25/2014		Yes	N	U		U	5.0	0.41	ug/l
4801673471A	4801673471A	4-NITROPHENOL	2/25/2014		Yes	N	U		U	10	1.5	ug/l
4801673471A	4801673471A	4-NITROANILINE	2/25/2014		Yes	N	U		U	10	0.25	ug/l
4801673471A	4801673471A	BENZO(G,H,I)PERYLENE	2/25/2014		Yes	N	U		U	5.0	0.35	ug/l
4801674241A	4801674241A	4-BROMOPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		U	170	53	ug/kg
4801674241A	4801674241A	2-CHLOROPHENOL	2/27/2014		Yes	N	U		U	170	8.5	ug/kg
4801674241A	4801674241A	4,6-DINITRO-2-METHYLPHENOL	2/27/2014		Yes	N	U		U	330	57	ug/kg
4801674241A	4801674241A	2,4-DINITROTOLUENE	2/27/2014		Yes	N	U		U	170	26	ug/kg
4801674241A	4801674241A	3-NITROANILINE	2/27/2014		Yes	N	U		U	330	38	ug/kg
4801674241A	4801674241A	3,3'-DICHLOROBENZIDINE	2/27/2014		Yes	N	U		U	170	150	ug/kg
4801674241A	4801674241A	2-NITROPHENOL	2/27/2014		Yes	N	U		U	170	7.6	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801674241A	4801674241A	2-NITROANILINE	2/27/2014		Yes	N	U		U	330	53	ug/kg
4801674241A	4801674241A	2-METHYLPHENOL (O-CRESOL)	2/27/2014		Yes	N	U		U	170	5.1	ug/kg
4801674241A	4801674241A	2-CHLORONAPHTHALENE	2/27/2014		Yes	N	U		U	170	11	ug/kg
4801674241A	4801674241A	2,4-DINITROPHENOL	2/27/2014		Yes	N	U		U	330	58	ug/kg
4801674241A	4801674241A	2,4-DIMETHYLPHENOL	2/27/2014		Yes	N	U		U	170	45	ug/kg
4801674241A	4801674241A	2,4-DICHLOROPHENOL	2/27/2014		Yes	N	U		U	170	8.7	ug/kg
4801674241A	4801674241A	2,4,6-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	170	11	ug/kg
4801674241A	4801674241A	2,4,5-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	170	36	ug/kg
4801674241A	4801674241A	2-METHYLNAPHTHALENE	2/27/2014		Yes	N	U		U	170	2.0	ug/kg
4801674241A	4801674241A	BIS(2-CHLOROISOPROPYL) ETHER	2/27/2014		Yes	N	U		U	170	17	ug/kg
4801674241A	4801674241A	BENZO(A)PYRENE	2/27/2014		Yes	N	U		U	170	4.0	ug/kg
4801674241A	4801674241A	DIETHYL PHTHALATE	2/27/2014		Yes	N	U		U	170	5.0	ug/kg
4801674241A	4801674241A	2,6-DINITROTOLUENE	2/27/2014		Yes	N	U		U	170	41	ug/kg
4801674241A	4801674241A	DIBENZ(A,H)ANTHRACENE	2/27/2014		Yes	N	U		U	170	2.0	ug/kg
4801674241A	4801674241A	4-CHLORO-3-METHYLPHENOL	2/27/2014		Yes	N	U		U	170	6.8	ug/kg
4801674241A	4801674241A	CARBAZOLE	2/27/2014		Yes	N	U		U	170	1.9	ug/kg
4801674241A	4801674241A	DI-N-BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	170	58	ug/kg
4801674241A	4801674241A	BIS(2-ETHYLHEXYL) PHTHALATE	2/27/2014		Yes	N	U		U	170	54	ug/kg
4801674241A	4801674241A	DI-N-OCTYLPHTHALATE	2/27/2014		Yes	N	U		U	170	3.9	ug/kg
4801674241A	4801674241A	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/27/2014		Yes	N	U		U	170	14	ug/kg
4801674241A	4801674241A	BIS(2-CHLOROETHOXY) METHANE	2/27/2014		Yes	N	U		U	170	9.0	ug/kg
4801674241A	4801674241A	BIPHENYL (DIPHENYL)	2/27/2014		Yes	N	U		U	170	10	ug/kg
4801674241A	4801674241A	BENZYL BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	170	45	ug/kg
4801674241A	4801674241A	BENZO(K)FLUORANTHENE	2/27/2014		Yes	N	U		U	170	1.8	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801674241A	4801674241A	BENZO(G,H,I)PERYLENE	2/27/2014		Yes	N	U		U	170	2.0	ug/kg
4801674241A	4801674241A	BENZO(B)FLUORANTHENE	2/27/2014		Yes	N	U		U	170	3.2	ug/kg
4801674241A	4801674241A	CAPROLACTAM	2/27/2014		Yes	N	U		U	170	72	ug/kg
4801674241A	4801674241A	ISOPHORONE	2/27/2014		Yes	N	U		U	170	8.3	ug/kg
4801674241A	4801674241A	PYRENE	2/27/2014		Yes	N	U		U	170	1.1	ug/kg
4801674241A	4801674241A	PHENOL	2/27/2014		Yes	N	U		U	170	18	ug/kg
4801674241A	4801674241A	PHENANTHRENE	2/27/2014		Yes	N	U		U	170	3.5	ug/kg
4801674241A	4801674241A	PENTACHLOROPHENOL	2/27/2014		Yes	N	U		U	330	57	ug/kg
4801674241A	4801674241A	N-NITROSODIPHENYLAMINE	2/27/2014		Yes	N	U		U	170	9.1	ug/kg
4801674241A	4801674241A	N-NITROSODI-N-PROPYLAMINE	2/27/2014		Yes	N	U		U	170	13	ug/kg
4801674241A	4801674241A	DIMETHYL PHTHALATE	2/27/2014		Yes	N	U		U	170	4.3	ug/kg
4801674241A	4801674241A	NAPHTHALENE	2/27/2014		Yes	N	U		U	170	2.8	ug/kg
4801674241A	4801674241A	CHRYSENE	2/27/2014		Yes	N	U		U	170	1.7	ug/kg
4801674241A	4801674241A	INDENO(1,2,3-C,D)PYRENE	2/27/2014		Yes	N	U		U	170	4.6	ug/kg
4801674241A	4801674241A	HEXACHLOROETHANE	2/27/2014		Yes	N	U		U	170	13	ug/kg
4801674241A	4801674241A	HEXACHLOROCYCLOPENTADIENE	2/27/2014		Yes	N	U		U	170	50	ug/kg
4801674241A	4801674241A	HEXACHLOROBUTADIENE	2/27/2014		Yes	N	U		U	170	8.5	ug/kg
4801674241A	4801674241A	HEXACHLOROBENZENE	2/27/2014		Yes	N	U		U	170	8.3	ug/kg
4801674241A	4801674241A	FLUORENE	2/27/2014		Yes	N	U		U	170	3.8	ug/kg
4801674241A	4801674241A	FLUORANTHENE	2/27/2014		Yes	N	U		U	170	2.4	ug/kg
4801674241A	4801674241A	NITROBENZENE	2/27/2014		Yes	N	U		U	170	7.4	ug/kg
4801674241A	4801674241A	ACETOPHENONE	2/27/2014		Yes	N	U		U	170	8.5	ug/kg
4801674241A	4801674241A	4-CHLOROANILINE	2/27/2014		Yes	N	U		U	170	49	ug/kg
4801674241A	4801674241A	4-CHLOROPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		U	170	3.5	ug/kg
4801674241A	4801674241A	BENZO(A)ANTHRACENE	2/27/2014		Yes	N	U		U	170	2.9	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801674241A	4801674241A	BENZALDEHYDE	2/27/2014		Yes	N	U		U	170	18	ug/kg
4801674241A	4801674241A	ANTHRACENE	2/27/2014		Yes	N	U		U	170	4.3	ug/kg
4801674241A	4801674241A	ACENAPHTHYLENE	2/27/2014		Yes	N	U		U	170	1.4	ug/kg
4801674241A	4801674241A	4-METHYLPHENOL (P-CRESOL)	2/27/2014		Yes	N	U		U	330	9.3	ug/kg
4801674241A	4801674241A	ACENAPHTHENE	2/27/2014		Yes	N	U		U	170	2.0	ug/kg
4801674241A	4801674241A	4-NITROPHENOL	2/27/2014		Yes	N	U		U	330	40	ug/kg
4801674241A	4801674241A	4-NITROANILINE	2/27/2014		Yes	N	U		U	330	19	ug/kg
4801674241A	4801674241A	DIBENZOFURAN	2/27/2014		Yes	N	U		U	170	1.7	ug/kg
4801674241A	4801674241A	ATRAZINE	2/27/2014		Yes	N	U		U	170	7.4	ug/kg
CC-C-029-0-2-20140219	480-55092-1	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	990	53	ug/kg
CC-C-029-0-2-20140219	480-55092-1	BENZO(G,H,I)PERYLENE	2/26/2014	270	Yes	Y	J		J	990	12	ug/kg
CC-C-029-0-2-20140219	480-55092-1	DIBENZOFURAN	2/26/2014		Yes	N	U		U	990	10	ug/kg
CC-C-029-0-2-20140219	480-55092-1	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	990	100	ug/kg
CC-C-029-0-2-20140219	480-55092-1	ACENAPHTHYLENE	2/26/2014		Yes	N	U		U	990	8.0	ug/kg
CC-C-029-0-2-20140219	480-55092-1	PYRENE	2/26/2014	950	Yes	Y	J		J	990	6.4	ug/kg
CC-C-029-0-2-20140219	480-55092-1	ANTHRACENE	2/26/2014		Yes	N	U		U	990	25	ug/kg
CC-C-029-0-2-20140219	480-55092-1	ATRAZINE	2/26/2014		Yes	N	U		U	990	44	ug/kg
CC-C-029-0-2-20140219	480-55092-1	BENZALDEHYDE	2/26/2014		Yes	N	U		U	990	110	ug/kg
CC-C-029-0-2-20140219	480-55092-1	BENZO(A)ANTHRACENE	2/26/2014	400	Yes	Y	J		J	990	17	ug/kg
CC-C-029-0-2-20140219	480-55092-1	4-NITROANILINE	2/26/2014		Yes	N	U		U	1900	110	ug/kg
CC-C-029-0-2-20140219	480-55092-1	BENZO(B)FLUORANTHENE	2/26/2014	570	Yes	Y	J		J	990	19	ug/kg
CC-C-029-0-2-20140219	480-55092-1	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		U	1900	55	ug/kg
CC-C-029-0-2-20140219	480-55092-1	BENZO(K)FLUORANTHENE	2/26/2014	240	Yes	Y	J		J	990	11	ug/kg
CC-C-029-0-2-20140219	480-55092-1	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	990	260	ug/kg
CC-C-029-0-2-20140219	480-55092-1	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	990	61	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-029-0-2-20140219	480-55092-1	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	990	85	ug/kg
CC-C-029-0-2-20140219	480-55092-1	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014		Yes	N	U		U	990	320	ug/kg
CC-C-029-0-2-20140219	480-55092-1	CAPROLACTAM	2/26/2014		Yes	N	U		U	990	430	ug/kg
CC-C-029-0-2-20140219	480-55092-1	CARBAZOLE	2/26/2014		Yes	N	U		U	990	11	ug/kg
CC-C-029-0-2-20140219	480-55092-1	CHRYSENE	2/26/2014	630	Yes	Y	J		J	990	9.8	ug/kg
CC-C-029-0-2-20140219	480-55092-1	DIBENZ(A,H)ANTHRACENE	2/26/2014		Yes	N	U		U	990	12	ug/kg
CC-C-029-0-2-20140219	480-55092-1	BENZO(A)PYRENE	2/26/2014	360	Yes	Y	J		J	990	24	ug/kg
CC-C-029-0-2-20140219	480-55092-1	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U	990	30	ug/kg
CC-C-029-0-2-20140219	480-55092-1	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	990	210	ug/kg
CC-C-029-0-2-20140219	480-55092-1	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	990	65	ug/kg
CC-C-029-0-2-20140219	480-55092-1	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	990	52	ug/kg
CC-C-029-0-2-20140219	480-55092-1	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	990	270	ug/kg
CC-C-029-0-2-20140219	480-55092-1	2,4-DINITROPHENOL	2/26/2014		Yes	N	U		U	1900	340	ug/kg
CC-C-029-0-2-20140219	480-55092-1	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	990	150	ug/kg
CC-C-029-0-2-20140219	480-55092-1	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		U	990	240	ug/kg
CC-C-029-0-2-20140219	480-55092-1	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		U	990	66	ug/kg
CC-C-029-0-2-20140219	480-55092-1	4-NITROPHENOL	2/26/2014		Yes	N	U		U	1900	240	ug/kg
CC-C-029-0-2-20140219	480-55092-1	2-METHYLNAPHTHALENE	2/26/2014		Yes	N	U		U	990	12	ug/kg
CC-C-029-0-2-20140219	480-55092-1	ACETOPHENONE	2/26/2014		Yes	N	U		U	990	50	ug/kg
CC-C-029-0-2-20140219	480-55092-1	2-NITROANILINE	2/26/2014		Yes	N	U		U	1900	320	ug/kg
CC-C-029-0-2-20140219	480-55092-1	2-NITROPHENOL	2/26/2014		Yes	N	U		U	990	45	ug/kg
CC-C-029-0-2-20140219	480-55092-1	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U		U	990	860	ug/kg
CC-C-029-0-2-20140219	480-55092-1	3-NITROANILINE	2/26/2014		Yes	N	U		U	1900	230	ug/kg
CC-C-029-0-2-20140219	480-55092-1	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	1900	340	ug/kg

SDG: 480550921

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-029-0-2-20140219	480-55092-1	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	990	310	ug/kg
CC-C-029-0-2-20140219	480-55092-1	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		U	990	40	ug/kg
CC-C-029-0-2-20140219	480-55092-1	4-CHLOROANILINE	2/26/2014		Yes	N	U		U	990	290	ug/kg
CC-C-029-0-2-20140219	480-55092-1	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	990	21	ug/kg
CC-C-029-0-2-20140219	480-55092-1	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	990	50	ug/kg
CC-C-029-0-2-20140219	480-55092-1	INDENO(1,2,3-C,D)PYRENE	2/26/2014	230	Yes	Y	J		J	990	27	ug/kg
CC-C-029-0-2-20140219	480-55092-1	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	990	26	ug/kg
CC-C-029-0-2-20140219	480-55092-1	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	990	340	ug/kg
CC-C-029-0-2-20140219	480-55092-1	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U		U	990	23	ug/kg
CC-C-029-0-2-20140219	480-55092-1	FLUORANTHENE	2/26/2014	1300	Yes	Y				990	14	ug/kg
CC-C-029-0-2-20140219	480-55092-1	FLUORENE	2/26/2014		Yes	N	U		U	990	23	ug/kg
CC-C-029-0-2-20140219	480-55092-1	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	990	49	ug/kg
CC-C-029-0-2-20140219	480-55092-1	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	990	50	ug/kg
CC-C-029-0-2-20140219	480-55092-1	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	990	30	ug/kg
CC-C-029-0-2-20140219	480-55092-1	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	990	76	ug/kg
CC-C-029-0-2-20140219	480-55092-1	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	990	54	ug/kg
CC-C-029-0-2-20140219	480-55092-1	ISOPHORONE	2/26/2014		Yes	N	U		U	990	49	ug/kg
CC-C-029-0-2-20140219	480-55092-1	NAPHTHALENE	2/26/2014		Yes	N	U		U	990	16	ug/kg
CC-C-029-0-2-20140219	480-55092-1	NITROBENZENE	2/26/2014		Yes	N	U		U	990	44	ug/kg
CC-C-029-0-2-20140219	480-55092-1	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		U	990	78	ug/kg
CC-C-029-0-2-20140219	480-55092-1	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	1900	340	ug/kg
CC-C-029-0-2-20140219	480-55092-1	ACENAPHTHENE	2/26/2014		Yes	N	U		U	990	12	ug/kg
CC-C-029-0-2-20140219	480-55092-1	PHENOL	2/26/2014		Yes	N	U		U	990	100	ug/kg
CC-C-029-0-2-20140219	480-55092-1	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U		U	990	300	ug/kg
CC-C-029-0-2-20140219	480-55092-1	PHENANTHRENE	2/26/2014	500	Yes	Y	J		J	990	21	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-029-2-4-20140219	480-55092-9	2,4-DINITROPHENOL	2/27/2014		Yes	N	U		U	410	73	ug/kg
CC-C-029-2-4-20140219	480-55092-9	CAPROLACTAM	2/27/2014		Yes	N	U		U	210	91	ug/kg
CC-C-029-2-4-20140219	480-55092-9	CARBAZOLE	2/27/2014	150	Yes	Y	J		J	210	2.4	ug/kg
CC-C-029-2-4-20140219	480-55092-9	CHRYSENE	2/27/2014	770	Yes	Y				210	2.1	ug/kg
CC-C-029-2-4-20140219	480-55092-9	2,4,5-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	210	46	ug/kg
CC-C-029-2-4-20140219	480-55092-9	2,4,6-TRICHLOROPHENOL	2/27/2014		Yes	N	U		U	210	14	ug/kg
CC-C-029-2-4-20140219	480-55092-9	2-NITROPHENOL	2/27/2014		Yes	N	U		U	210	9.6	ug/kg
CC-C-029-2-4-20140219	480-55092-9	2,4-DIMETHYLPHENOL	2/27/2014		Yes	N	U		U	210	57	ug/kg
CC-C-029-2-4-20140219	480-55092-9	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/27/2014		Yes	N	U		U	210	18	ug/kg
CC-C-029-2-4-20140219	480-55092-9	2,4-DINITROTOLUENE	2/27/2014		Yes	N	U		U	210	32	ug/kg
CC-C-029-2-4-20140219	480-55092-9	2,6-DINITROTOLUENE	2/27/2014		Yes	N	U		U	210	51	ug/kg
CC-C-029-2-4-20140219	480-55092-9	2-CHLOROPHENOL	2/27/2014		Yes	N	U		U	210	11	ug/kg
CC-C-029-2-4-20140219	480-55092-9	2-METHYLPHENOL (O-CRESOL)	2/27/2014		Yes	N	U		U	210	6.4	ug/kg
CC-C-029-2-4-20140219	480-55092-9	2-NITROANILINE	2/27/2014		Yes	N	U		U	410	67	ug/kg
CC-C-029-2-4-20140219	480-55092-9	2,4-DICHLOROPHENOL	2/27/2014		Yes	N	U		U	210	11	ug/kg
CC-C-029-2-4-20140219	480-55092-9	BENZO(B)FLUORANTHENE	2/27/2014	1100	Yes	Y				210	4.1	ug/kg
CC-C-029-2-4-20140219	480-55092-9	DIBENZ(A,H)ANTHRACENE	2/27/2014		Yes	N	U		U	210	2.5	ug/kg
CC-C-029-2-4-20140219	480-55092-9	ACETOPHENONE	2/27/2014		Yes	N	U		U	210	11	ug/kg
CC-C-029-2-4-20140219	480-55092-9	ANTHRACENE	2/27/2014	280	Yes	Y				210	5.4	ug/kg
CC-C-029-2-4-20140219	480-55092-9	ATRAZINE	2/27/2014		Yes	N	U		U	210	9.3	ug/kg
CC-C-029-2-4-20140219	480-55092-9	ACENAPHTHYLENE	2/27/2014	35	Yes	Y	J		J	210	1.7	ug/kg
CC-C-029-2-4-20140219	480-55092-9	BENZALDEHYDE	2/27/2014		Yes	N	U	R	R	210	23	ug/kg
CC-C-029-2-4-20140219	480-55092-9	BIS(2-ETHYLHEXYL) PHTHALATE	2/27/2014	400	Yes	Y				210	67	ug/kg
CC-C-029-2-4-20140219	480-55092-9	BENZO(A)PYRENE	2/27/2014	720	Yes	Y				210	5.0	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-029-2-4-20140219	480-55092-9	BIS(2-CHLOROISOPROPYL) ETHER	2/27/2014		Yes	N	U		U	210	22	ug/kg
CC-C-029-2-4-20140219	480-55092-9	BENZO(G,H,I)PERYLENE	2/27/2014	250	Yes	Y				210	2.5	ug/kg
CC-C-029-2-4-20140219	480-55092-9	BENZO(K)FLUORANTHENE	2/27/2014	420	Yes	Y				210	2.3	ug/kg
CC-C-029-2-4-20140219	480-55092-9	BENZYL BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	210	56	ug/kg
CC-C-029-2-4-20140219	480-55092-9	BIPHENYL (DIPHENYL)	2/27/2014		Yes	N	U		U	210	13	ug/kg
CC-C-029-2-4-20140219	480-55092-9	BIS(2-CHLOROETHOXY) METHANE	2/27/2014		Yes	N	U		U	210	11	ug/kg
CC-C-029-2-4-20140219	480-55092-9	2-METHYLNAPHTHALENE	2/27/2014	57	Yes	Y	J		J	210	2.5	ug/kg
CC-C-029-2-4-20140219	480-55092-9	BENZO(A)ANTHRACENE	2/27/2014	740	Yes	Y				210	3.6	ug/kg
CC-C-029-2-4-20140219	480-55092-9	FLUORENE	2/27/2014	150	Yes	Y	J		J	210	4.8	ug/kg
CC-C-029-2-4-20140219	480-55092-9	NITROBENZENE	2/27/2014		Yes	N	U		U	210	9.3	ug/kg
CC-C-029-2-4-20140219	480-55092-9	3,3'-DICHLOROBENZIDINE	2/27/2014		Yes	N	U		U	210	180	ug/kg
CC-C-029-2-4-20140219	480-55092-9	ISOPHORONE	2/27/2014		Yes	N	U		U	210	10	ug/kg
CC-C-029-2-4-20140219	480-55092-9	2-CHLORONAPHTHALENE	2/27/2014		Yes	N	U		U	210	14	ug/kg
CC-C-029-2-4-20140219	480-55092-9	HEXACHLOROETHANE	2/27/2014		Yes	N	U		U	210	16	ug/kg
CC-C-029-2-4-20140219	480-55092-9	HEXACHLOROCYCLOPENTADIENE	2/27/2014		Yes	N	U	UJ	UJ	210	63	ug/kg
CC-C-029-2-4-20140219	480-55092-9	N-NITROSODI-N-PROPYLAMINE	2/27/2014		Yes	N	U		U	210	17	ug/kg
CC-C-029-2-4-20140219	480-55092-9	HEXACHLOROBENZENE	2/27/2014		Yes	N	U		U	210	10	ug/kg
CC-C-029-2-4-20140219	480-55092-9	NAPHTHALENE	2/27/2014	180	Yes	Y	J		J	210	3.5	ug/kg
CC-C-029-2-4-20140219	480-55092-9	FLUORANTHENE	2/27/2014	1600	Yes	Y				210	3.0	ug/kg
CC-C-029-2-4-20140219	480-55092-9	DI-N-OCTYLPHTHALATE	2/27/2014	88	Yes	Y	J		J	210	4.9	ug/kg
CC-C-029-2-4-20140219	480-55092-9	DI-N-BUTYL PHTHALATE	2/27/2014		Yes	N	U		U	210	72	ug/kg
CC-C-029-2-4-20140219	480-55092-9	DIMETHYL PHTHALATE	2/27/2014		Yes	N	U		U	210	5.5	ug/kg
CC-C-029-2-4-20140219	480-55092-9	DIETHYL PHTHALATE	2/27/2014		Yes	N	U		U	210	6.3	ug/kg
CC-C-029-2-4-20140219	480-55092-9	DIBENZOFURAN	2/27/2014	99	Yes	Y	J		J	210	2.2	ug/kg
CC-C-029-2-4-20140219	480-55092-9	HEXACHLOROBUTADIENE	2/27/2014		Yes	N	U		U	210	11	ug/kg

SDG: 480550921

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-029-2-4-20140219	480-55092-9	4-CHLORO-3-METHYLPHENOL	2/27/2014		Yes	N	U		U	210	8.6	ug/kg
CC-C-029-2-4-20140219	480-55092-9	3-NITROANILINE	2/27/2014		Yes	N	U		U	410	48	ug/kg
CC-C-029-2-4-20140219	480-55092-9	4,6-DINITRO-2-METHYLPHENOL	2/27/2014		Yes	N	U		U	410	72	ug/kg
CC-C-029-2-4-20140219	480-55092-9	INDENO(1,2,3-C,D)PYRENE	2/27/2014	240	Yes	Y				210	5.8	ug/kg
CC-C-029-2-4-20140219	480-55092-9	4-BROMOPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		U	210	67	ug/kg
CC-C-029-2-4-20140219	480-55092-9	N-NITROSODIPHENYLAMINE	2/27/2014		Yes	N	U		U	210	11	ug/kg
CC-C-029-2-4-20140219	480-55092-9	4-CHLOROANILINE	2/27/2014		Yes	N	U		U	210	61	ug/kg
CC-C-029-2-4-20140219	480-55092-9	4-CHLOROPHENYL PHENYL ETHER	2/27/2014		Yes	N	U		U	210	4.5	ug/kg
CC-C-029-2-4-20140219	480-55092-9	4-NITROANILINE	2/27/2014		Yes	N	U		U	410	23	ug/kg
CC-C-029-2-4-20140219	480-55092-9	4-NITROPHENOL	2/27/2014		Yes	N	U	UJ	UJ	410	51	ug/kg
CC-C-029-2-4-20140219	480-55092-9	ACENAPHTHENE	2/27/2014	140	Yes	Y	J		J	210	2.5	ug/kg
CC-C-029-2-4-20140219	480-55092-9	PYRENE	2/27/2014	1200	Yes	Y				210	1.4	ug/kg
CC-C-029-2-4-20140219	480-55092-9	PHENOL	2/27/2014		Yes	N	U		U	210	22	ug/kg
CC-C-029-2-4-20140219	480-55092-9	PHENANTHRENE	2/27/2014	1100	Yes	Y				210	4.4	ug/kg
CC-C-029-2-4-20140219	480-55092-9	4-METHYLPHENOL (P-CRESOL)	2/27/2014		Yes	N	U		U	410	12	ug/kg
CC-C-029-2-4-20140219	480-55092-9	PENTACHLOROPHENOL	2/27/2014		Yes	N	U		U	410	72	ug/kg
CC-C-029-8-10-20140219	480-55092-2	2-CHLORONAPHTHALENE	2/25/2014		Yes	N	U		U	180	12	ug/kg
CC-C-029-8-10-20140219	480-55092-2	NAPHTHALENE	2/25/2014		Yes	N	U		U	180	3.0	ug/kg
CC-C-029-8-10-20140219	480-55092-2	NITROBENZENE	2/25/2014		Yes	N	U		U	180	8.1	ug/kg
CC-C-029-8-10-20140219	480-55092-2	2,4-DINITROTOLUENE	2/25/2014		Yes	N	U		U	180	28	ug/kg
CC-C-029-8-10-20140219	480-55092-2	2-METHYLPHENOL (O-CRESOL)	2/25/2014		Yes	N	U		U	180	5.6	ug/kg
CC-C-029-8-10-20140219	480-55092-2	PHENANTHRENE	2/25/2014		Yes	N	U		U	180	3.8	ug/kg
CC-C-029-8-10-20140219	480-55092-2	PENTACHLOROPHENOL	2/25/2014		Yes	N	U		U	360	63	ug/kg
CC-C-029-8-10-20140219	480-55092-2	N-NITROSODIPHENYLAMINE	2/25/2014		Yes	N	U		U	180	10	ug/kg
CC-C-029-8-10-20140219	480-55092-2	2,4-DIMETHYLPHENOL	2/25/2014		Yes	N	U		U	180	49	ug/kg

SDG: 480550921

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-029-8-10-20140219	480-55092-2	FLUORENE	2/25/2014		Yes	N	U		U	180	4.2	ug/kg
CC-C-029-8-10-20140219	480-55092-2	FLUORANTHENE	2/25/2014		Yes	N	U		U	180	2.6	ug/kg
CC-C-029-8-10-20140219	480-55092-2	DI-N-OCTYLPHTHALATE	2/25/2014		Yes	N	U		U	180	4.3	ug/kg
CC-C-029-8-10-20140219	480-55092-2	DI-N-BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	180	63	ug/kg
CC-C-029-8-10-20140219	480-55092-2	DIMETHYL PHTHALATE	2/25/2014		Yes	N	U		U	180	4.8	ug/kg
CC-C-029-8-10-20140219	480-55092-2	DIETHYL PHTHALATE	2/25/2014		Yes	N	U		U	180	5.5	ug/kg
CC-C-029-8-10-20140219	480-55092-2	DIBENZOFURAN	2/25/2014		Yes	N	U		U	180	1.9	ug/kg
CC-C-029-8-10-20140219	480-55092-2	DIBENZ(A,H)ANTHRACENE	2/25/2014		Yes	N	U		U	180	2.1	ug/kg
CC-C-029-8-10-20140219	480-55092-2	CHRYSENE	2/25/2014	9	Yes	Y	J		J	180	1.8	ug/kg
CC-C-029-8-10-20140219	480-55092-2	N-NITROSODI-N-PROPYLAMINE	2/25/2014		Yes	N	U		U	180	14	ug/kg
CC-C-029-8-10-20140219	480-55092-2	CAPROLACTAM	2/25/2014		Yes	N	U		U	180	79	ug/kg
CC-C-029-8-10-20140219	480-55092-2	2,4-DINITROPHENOL	2/25/2014		Yes	N	U		U	360	64	ug/kg
CC-C-029-8-10-20140219	480-55092-2	BIS(2-ETHYLHEXYL) PHTHALATE	2/25/2014		Yes	N	U		U	180	59	ug/kg
CC-C-029-8-10-20140219	480-55092-2	BIS(2-CHLOROISOPROPYL) ETHER	2/25/2014		Yes	N	U		U	180	19	ug/kg
CC-C-029-8-10-20140219	480-55092-2	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/25/2014		Yes	N	U		U	180	16	ug/kg
CC-C-029-8-10-20140219	480-55092-2	HEXACHLOROBENZENE	2/25/2014		Yes	N	U		U	180	9.1	ug/kg
CC-C-029-8-10-20140219	480-55092-2	HEXACHLOROBUTADIENE	2/25/2014		Yes	N	U		U	180	9.4	ug/kg
CC-C-029-8-10-20140219	480-55092-2	HEXACHLOROCYCLOPENTADIENE	2/25/2014		Yes	N	U	UJ	UJ	180	55	ug/kg
CC-C-029-8-10-20140219	480-55092-2	HEXACHLOROETHANE	2/25/2014		Yes	N	U		U	180	14	ug/kg
CC-C-029-8-10-20140219	480-55092-2	INDENO(1,2,3-C,D)PYRENE	2/25/2014		Yes	N	U		U	180	5.1	ug/kg
CC-C-029-8-10-20140219	480-55092-2	ISOPHORONE	2/25/2014		Yes	N	U		U	180	9.1	ug/kg
CC-C-029-8-10-20140219	480-55092-2	CARBAZOLE	2/25/2014		Yes	N	U		U	180	2.1	ug/kg
CC-C-029-8-10-20140219	480-55092-2	ANTHRACENE	2/25/2014		Yes	N	U		U	180	4.7	ug/kg
CC-C-029-8-10-20140219	480-55092-2	BENZO(G,H,I)PERYLENE	2/25/2014		Yes	N	U		U	180	2.2	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-029-8-10-20140219	480-55092-2	BENZO(B)FLUORANTHENE	2/25/2014		Yes	N	U		U	180	3.5	ug/kg
CC-C-029-8-10-20140219	480-55092-2	BENZO(A)PYRENE	2/25/2014		Yes	N	U		U	180	4.4	ug/kg
CC-C-029-8-10-20140219	480-55092-2	BENZO(A)ANTHRACENE	2/25/2014		Yes	N	U		U	180	3.2	ug/kg
CC-C-029-8-10-20140219	480-55092-2	BENZALDEHYDE	2/25/2014		Yes	N	U	R	R	180	20	ug/kg
CC-C-029-8-10-20140219	480-55092-2	2,4-DICHLOROPHENOL	2/25/2014		Yes	N	U		U	180	9.6	ug/kg
CC-C-029-8-10-20140219	480-55092-2	BENZO(K)FLUORANTHENE	2/25/2014		Yes	N	U		U	180	2.0	ug/kg
CC-C-029-8-10-20140219	480-55092-2	2,6-DINITROTOLUENE	2/25/2014		Yes	N	U		U	180	45	ug/kg
CC-C-029-8-10-20140219	480-55092-2	4,6-DINITRO-2-METHYLPHENOL	2/25/2014		Yes	N	U		U	360	63	ug/kg
CC-C-029-8-10-20140219	480-55092-2	ACETOPHENONE	2/25/2014		Yes	N	U		U	180	9.4	ug/kg
CC-C-029-8-10-20140219	480-55092-2	ACENAPHTHYLENE	2/25/2014		Yes	N	U		U	180	1.5	ug/kg
CC-C-029-8-10-20140219	480-55092-2	3,3'-DICHLOROBENZIDINE	2/25/2014		Yes	N	U		U	180	160	ug/kg
CC-C-029-8-10-20140219	480-55092-2	2-NITROPHENOL	2/25/2014		Yes	N	U		U	180	8.4	ug/kg
CC-C-029-8-10-20140219	480-55092-2	2-NITROANILINE	2/25/2014		Yes	N	U		U	360	59	ug/kg
CC-C-029-8-10-20140219	480-55092-2	2-CHLOROPHENOL	2/25/2014		Yes	N	U		U	180	9.3	ug/kg
CC-C-029-8-10-20140219	480-55092-2	2-METHYLNAPHTHALENE	2/25/2014		Yes	N	U		U	180	2.2	ug/kg
CC-C-029-8-10-20140219	480-55092-2	ATRAZINE	2/25/2014		Yes	N	U		U	180	8.1	ug/kg
CC-C-029-8-10-20140219	480-55092-2	PYRENE	2/25/2014		Yes	N	U		U	180	1.2	ug/kg
CC-C-029-8-10-20140219	480-55092-2	3-NITROANILINE	2/25/2014		Yes	N	U		U	360	42	ug/kg
CC-C-029-8-10-20140219	480-55092-2	PHENOL	2/25/2014		Yes	N	U		U	180	19	ug/kg
CC-C-029-8-10-20140219	480-55092-2	BENZYL BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	180	49	ug/kg
CC-C-029-8-10-20140219	480-55092-2	2,4,6-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	180	12	ug/kg
CC-C-029-8-10-20140219	480-55092-2	2,4,5-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	180	40	ug/kg
CC-C-029-8-10-20140219	480-55092-2	ACENAPHTHENE	2/25/2014	42	Yes	Y	J		J	180	2.1	ug/kg
CC-C-029-8-10-20140219	480-55092-2	4-NITROPHENOL	2/25/2014		Yes	N	U		U	360	44	ug/kg
CC-C-029-8-10-20140219	480-55092-2	4-BROMOPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	180	58	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-029-8-10-20140219	480-55092-2	4-NITROANILINE	2/25/2014		Yes	N	U		U	360	20	ug/kg
CC-C-029-8-10-20140219	480-55092-2	BIS(2-CHLOROETHOXY) METHANE	2/25/2014		Yes	N	U		U	180	9.9	ug/kg
CC-C-029-8-10-20140219	480-55092-2	4-CHLORO-3-METHYLPHENOL	2/25/2014		Yes	N	U		U	180	7.5	ug/kg
CC-C-029-8-10-20140219	480-55092-2	4-CHLOROANILINE	2/25/2014		Yes	N	U		U	180	54	ug/kg
CC-C-029-8-10-20140219	480-55092-2	4-CHLOROPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	180	3.9	ug/kg
CC-C-029-8-10-20140219	480-55092-2	4-METHYLPHENOL (P-CRESOL)	2/25/2014		Yes	N	U		U	360	10	ug/kg
CC-C-029-8-10-20140219	480-55092-2	BIPHENYL (DIPHENYL)	2/25/2014		Yes	N	U		U	180	11	ug/kg
CC-C-041-0-2-20140219	480-55092-3	CAPROLACTAM	2/25/2014		Yes	N	U		U	190	80	ug/kg
CC-C-041-0-2-20140219	480-55092-3	CARBAZOLE	2/25/2014	33	Yes	Y	J		J	190	2.1	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BENZO(A)ANTHRACENE	2/25/2014	380	Yes	Y				190	3.2	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BIPHENYL (DIPHENYL)	2/25/2014		Yes	N	U		U	190	11	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BIS(2-ETHYLHEXYL) PHTHALATE	2/25/2014	82	Yes	Y	J		J	190	59	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BIS(2-CHLOROISOPROPYL) ETHER	2/25/2014		Yes	N	U		U	190	19	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/25/2014		Yes	N	U		U	190	16	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BIS(2-CHLOROETHOXY) METHANE	2/25/2014		Yes	N	U		U	190	10	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BENZYL BUTYL PHTHALATE	2/25/2014	59000	No	Y	E			190	49	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BENZO(K)FLUORANTHENE	2/25/2014	230	Yes	Y				190	2.0	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BENZO(G,H,I)PERYLENE	2/25/2014	150	Yes	Y	J		J	190	2.2	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BENZALDEHYDE	2/25/2014		Yes	N	U		U	190	20	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BENZO(A)PYRENE	2/25/2014	430	Yes	Y				190	4.4	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ATRAZINE	2/25/2014		Yes	N	U		U	190	8.2	ug/kg
CC-C-041-0-2-20140219	480-55092-3	PYRENE	2/25/2014	560	Yes	Y				190	1.2	ug/kg
CC-C-041-0-2-20140219	480-55092-3	CHRYSENE	2/25/2014	420	Yes	Y				190	1.8	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BENZO(B)FLUORANTHENE	2/25/2014	680	Yes	Y				190	3.6	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-041-0-2-20140219	480-55092-3	4,6-DINITRO-2-METHYLPHENOL	2/25/2014		Yes	N	U		U	360	63	ug/kg
CC-C-041-0-2-20140219	480-55092-3	N-NITROSODIPHENYLAMINE	2/25/2014		Yes	N	U		U	190	10	ug/kg
CC-C-041-0-2-20140219	480-55092-3	PENTACHLOROPHENOL	2/25/2014		Yes	N	U		U	360	63	ug/kg
CC-C-041-0-2-20140219	480-55092-3	PHENOL	2/25/2014		Yes	N	U		U	190	19	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2,4,6-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	190	12	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2,4-DICHLOROPHENOL	2/25/2014		Yes	N	U		U	190	9.6	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2,4-DIMETHYLPHENOL	2/25/2014		Yes	N	U		U	190	50	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2,4-DINITROPHENOL	2/25/2014		Yes	N	U		U	360	64	ug/kg
CC-C-041-0-2-20140219	480-55092-3	4-METHYLPHENOL (P-CRESOL)	2/25/2014		Yes	N	U		U	360	10	ug/kg
CC-C-041-0-2-20140219	480-55092-3	4-CHLOROPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	190	3.9	ug/kg
CC-C-041-0-2-20140219	480-55092-3	4-CHLOROANILINE	2/25/2014		Yes	N	U		U	190	54	ug/kg
CC-C-041-0-2-20140219	480-55092-3	N-NITROSODI-N-PROPYLAMINE	2/25/2014		Yes	N	U		U	190	15	ug/kg
CC-C-041-0-2-20140219	480-55092-3	4-BROMOPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	190	58	ug/kg
CC-C-041-0-2-20140219	480-55092-3	3,3'-DICHLOROBENZIDINE	2/25/2014		Yes	N	U		U	190	160	ug/kg
CC-C-041-0-2-20140219	480-55092-3	3-NITROANILINE	2/25/2014		Yes	N	U		U	360	42	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2-NITROPHENOL	2/25/2014		Yes	N	U		U	190	8.4	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2,4-DINITROTOLUENE	2/25/2014		Yes	N	U		U	190	28	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2,6-DINITROTOLUENE	2/25/2014		Yes	N	U		U	190	45	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2-CHLORONAPHTHALENE	2/25/2014		Yes	N	U		U	190	12	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2-CHLOROPHENOL	2/25/2014		Yes	N	U		U	190	9.4	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2-METHYLNAPHTHALENE	2/25/2014		Yes	N	U		U	190	2.2	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2-METHYLPHENOL (O-CRESOL)	2/25/2014		Yes	N	U		U	190	5.7	ug/kg
CC-C-041-0-2-20140219	480-55092-3	PHENANTHRENE	2/25/2014	320	Yes	Y				190	3.9	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ANTHRACENE	2/25/2014	75	Yes	Y	J		J	190	4.7	ug/kg
CC-C-041-0-2-20140219	480-55092-3	4-CHLORO-3-METHYLPHENOL	2/25/2014		Yes	N	U		U	190	7.6	ug/kg

SDG: 480550921

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-041-0-2-20140219	480-55092-3	DIETHYL PHTHALATE	2/25/2014		Yes	N	U		U	190	5.6	ug/kg
CC-C-041-0-2-20140219	480-55092-3	4-NITROPHENOL	2/25/2014		Yes	N	U		U	360	45	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2-NITROANILINE	2/25/2014		Yes	N	U		U	360	59	ug/kg
CC-C-041-0-2-20140219	480-55092-3	NITROBENZENE	2/25/2014		Yes	N	U		U	190	8.1	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ACENAPHTHENE	2/25/2014	21	Yes	Y	J		J	190	2.2	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ACENAPHTHYLENE	2/25/2014	32	Yes	Y	J		J	190	1.5	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ACETOPHENONE	2/25/2014		Yes	N	U		U	190	9.4	ug/kg
CC-C-041-0-2-20140219	480-55092-3	4-NITROANILINE	2/25/2014		Yes	N	U		U	360	21	ug/kg
CC-C-041-0-2-20140219	480-55092-3	DIBENZOFURAN	2/25/2014		Yes	N	U		U	190	1.9	ug/kg
CC-C-041-0-2-20140219	480-55092-3	DIMETHYL PHTHALATE	2/25/2014		Yes	N	U		U	190	4.8	ug/kg
CC-C-041-0-2-20140219	480-55092-3	DI-N-BUTYL PHTHALATE	2/25/2014	180	Yes	Y	J	U	U	190	64	ug/kg
CC-C-041-0-2-20140219	480-55092-3	DI-N-OCTYL PHTHALATE	2/25/2014		Yes	N	U		U	190	4.3	ug/kg
CC-C-041-0-2-20140219	480-55092-3	HEXACHLOROCYCLOPENTADIENE	2/25/2014		Yes	N	U		U	190	56	ug/kg
CC-C-041-0-2-20140219	480-55092-3	HEXACHLOROETHANE	2/25/2014		Yes	N	U		U	190	14	ug/kg
CC-C-041-0-2-20140219	480-55092-3	DIBENZ(A,H)ANTHRACENE	2/25/2014		Yes	N	U		U	190	2.2	ug/kg
CC-C-041-0-2-20140219	480-55092-3	FLUORANTHENE	2/25/2014	740	Yes	Y				190	2.7	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ISOPHORONE	2/25/2014		Yes	N	U		U	190	9.2	ug/kg
CC-C-041-0-2-20140219	480-55092-3	INDENO(1,2,3-C,D)PYRENE	2/25/2014	140	Yes	Y	J		J	190	5.1	ug/kg
CC-C-041-0-2-20140219	480-55092-3	NAPHTHALENE	2/25/2014		Yes	N	U		U	190	3.1	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2,4,5-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	190	40	ug/kg
CC-C-041-0-2-20140219	480-55092-3	HEXACHLOROBUTADIENE	2/25/2014		Yes	N	U		U	190	9.4	ug/kg
CC-C-041-0-2-20140219	480-55092-3	HEXACHLOROBENZENE	2/25/2014		Yes	N	U		U	190	9.1	ug/kg
CC-C-041-0-2-20140219	480-55092-3	FLUORENE	2/25/2014	19	Yes	Y	J		J	190	4.2	ug/kg
CC-C-041-0-2-20140219	480-55092-3	DIETHYL PHTHALATE	2/26/2014		No	N	U		U	3700	110	ug/kg
CC-C-041-0-2-20140219	480-55092-3	DIMETHYL PHTHALATE	2/26/2014		No	N	U		U	3700	96	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-041-0-2-20140219	480-55092-3	ACETOPHENONE	2/26/2014		No	N	U		U	3700	190	ug/kg
CC-C-041-0-2-20140219	480-55092-3	DI-N-BUTYL PHTHALATE	2/26/2014		No	N	U		U	3700	1300	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ANTHRACENE	2/26/2014		No	N	U		U	3700	94	ug/kg
CC-C-041-0-2-20140219	480-55092-3	DIBENZOFURAN	2/26/2014		No	N	U		U	3700	38	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BENZALDEHYDE	2/26/2014		No	N	U		U	3700	400	ug/kg
CC-C-041-0-2-20140219	480-55092-3	DIBENZ(A,H)ANTHRACENE	2/26/2014		No	N	U		U	3700	43	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		No	N	U		U	3700	380	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014		No	N	U		U	3700	1200	ug/kg
CC-C-041-0-2-20140219	480-55092-3	DI-N-OCTYLPHTHALATE	2/26/2014		No	N	U		U	3700	86	ug/kg
CC-C-041-0-2-20140219	480-55092-3	N-NITROSODI-N-PROPYLAMINE	2/26/2014		No	N	U		U	3700	290	ug/kg
CC-C-041-0-2-20140219	480-55092-3	CARBAZOLE	2/26/2014		No	N	U		U	3700	43	ug/kg
CC-C-041-0-2-20140219	480-55092-3	CAPROLACTAM	2/26/2014		No	N	U		U	3700	1600	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ATRAZINE	2/26/2014		No	N	U		U	3700	160	ug/kg
CC-C-041-0-2-20140219	480-55092-3	N-NITROSODIPHENYLAMINE	2/26/2014		No	N	U		U	3700	200	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ACENAPHTHYLENE	2/26/2014		No	N	U		U	3700	30	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ACENAPHTHENE	2/26/2014		No	N	U		U	3700	43	ug/kg
CC-C-041-0-2-20140219	480-55092-3	CHRYSENE	2/26/2014	430	No	Y	J		J	3700	37	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/26/2014		No	N	U		U	3700	320	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2,4-DIMETHYLPHENOL	2/26/2014		No	N	U		U	3700	990	ug/kg
CC-C-041-0-2-20140219	480-55092-3	PYRENE	2/26/2014	600	No	Y	J		J	3700	24	ug/kg
CC-C-041-0-2-20140219	480-55092-3	PHENOL	2/26/2014		No	N	U		U	3700	390	ug/kg
CC-C-041-0-2-20140219	480-55092-3	NAPHTHALENE	2/26/2014		No	N	U		U	3700	61	ug/kg
CC-C-041-0-2-20140219	480-55092-3	PENTACHLOROPHENOL	2/26/2014		No	N	U		U	7200	1300	ug/kg
CC-C-041-0-2-20140219	480-55092-3	FLUORANTHENE	2/26/2014		No	N	U		U	3700	53	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-041-0-2-20140219	480-55092-3	NITROBENZENE	2/26/2014		No	N	U		U	3700	160	ug/kg
CC-C-041-0-2-20140219	480-55092-3	ISOPHORONE	2/26/2014		No	N	U		U	3700	180	ug/kg
CC-C-041-0-2-20140219	480-55092-3	INDENO(1,2,3-C,D)PYRENE	2/26/2014		No	N	U		U	3700	100	ug/kg
CC-C-041-0-2-20140219	480-55092-3	HEXACHLOROETHANE	2/26/2014		No	N	U		U	3700	280	ug/kg
CC-C-041-0-2-20140219	480-55092-3	HEXACHLOROCYCLOPENTADIENE	2/26/2014		No	N	U		U	3700	1100	ug/kg
CC-C-041-0-2-20140219	480-55092-3	HEXACHLOROBUTADIENE	2/26/2014		No	N	U		U	3700	190	ug/kg
CC-C-041-0-2-20140219	480-55092-3	HEXACHLOROBENZENE	2/26/2014		No	N	U		U	3700	180	ug/kg
CC-C-041-0-2-20140219	480-55092-3	FLUORENE	2/26/2014		No	N	U		U	3700	85	ug/kg
CC-C-041-0-2-20140219	480-55092-3	PHENANTHRENE	2/26/2014		No	N	U		U	3700	77	ug/kg
CC-C-041-0-2-20140219	480-55092-3	3-NITROANILINE	2/26/2014		No	N	U		U	7200	850	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2,4-DINITROPHENOL	2/26/2014		No	N	U		U	7200	1300	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2,4-DINITROTOLUENE	2/26/2014		No	N	U		U	3700	570	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2,6-DINITROTOLUENE	2/26/2014		No	N	U		U	3700	900	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2-METHYLNAPHTHALENE	2/26/2014		No	N	U		U	3700	45	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2-CHLOROPHENOL	2/26/2014		No	N	U		U	3700	190	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2-CHLORONAPHTHALENE	2/26/2014		No	N	U		U	3700	250	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		No	N	U		U	3700	200	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2-METHYLPHENOL (O-CRESOL)	2/26/2014		No	N	U		U	3700	110	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2-NITROANILINE	2/26/2014		No	N	U		U	7200	1200	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BENZO(A)ANTHRACENE	2/26/2014		No	N	U		U	3700	63	ug/kg
CC-C-041-0-2-20140219	480-55092-3	3,3'-DICHLOROBENZIDINE	2/26/2014		No	N	U		U	3700	3200	ug/kg
CC-C-041-0-2-20140219	480-55092-3	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		No	N	U		U	7200	1300	ug/kg
CC-C-041-0-2-20140219	480-55092-3	4-NITROPHENOL	2/26/2014		No	N	U		U	7200	890	ug/kg
CC-C-041-0-2-20140219	480-55092-3	4-BROMOPHENYL PHENYL ETHER	2/26/2014		No	N	U		U	3700	1200	ug/kg
CC-C-041-0-2-20140219	480-55092-3	4-METHYLPHENOL (P-CRESOL)	2/26/2014		No	N	U		U	7200	200	ug/kg

SDG: 480550921

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-041-0-2-20140219	480-55092-3	BENZO(B)FLUORANTHENE	2/26/2014	540	No	Y	J		J	3700	71	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BENZO(G,H,I)PERYLENE	2/26/2014		No	N	U		U	3700	44	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2-NITROPHENOL	2/26/2014		No	N	U		U	3700	170	ug/kg
CC-C-041-0-2-20140219	480-55092-3	4-CHLORO-3-METHYLPHENOL	2/26/2014		No	N	U		U	3700	150	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BENZO(A)PYRENE	2/26/2014		No	N	U		U	3700	89	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BENZYL BUTYL PHTHALATE	2/26/2014	72000	Yes	Y				3700	990	ug/kg
CC-C-041-0-2-20140219	480-55092-3	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		No	N	U		U	3700	78	ug/kg
CC-C-041-0-2-20140219	480-55092-3	4-NITROANILINE	2/26/2014		No	N	U		U	7200	410	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2,4,5-TRICHLOROPHENOL	2/26/2014		No	N	U		U	3700	800	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2,4,6-TRICHLOROPHENOL	2/26/2014		No	N	U		U	3700	240	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BIPHENYL (DIPHENYL)	2/26/2014		No	N	U		U	3700	230	ug/kg
CC-C-041-0-2-20140219	480-55092-3	2,4-DICHLOROPHENOL	2/26/2014		No	N	U		U	3700	190	ug/kg
CC-C-041-0-2-20140219	480-55092-3	4-CHLOROANILINE	2/26/2014		No	N	U		U	3700	1100	ug/kg
CC-C-041-0-2-20140219	480-55092-3	BENZO(K)FLUORANTHENE	2/26/2014	230	No	Y	J		J	3700	40	ug/kg
CC-C-041-2-4-20140219	480-55092-4	FLUORENE	2/25/2014	350	Yes	Y	J		J	920	21	ug/kg
CC-C-041-2-4-20140219	480-55092-4	2,4,5-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	920	200	ug/kg
CC-C-041-2-4-20140219	480-55092-4	2,4,6-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	920	61	ug/kg
CC-C-041-2-4-20140219	480-55092-4	2,4-DIMETHYLPHENOL	2/25/2014		Yes	N	U		U	920	250	ug/kg
CC-C-041-2-4-20140219	480-55092-4	2,4-DINITROPHENOL	2/25/2014		Yes	N	U		U	1800	320	ug/kg
CC-C-041-2-4-20140219	480-55092-4	2,4-DINITROTOLUENE	2/25/2014		Yes	N	U		U	920	140	ug/kg
CC-C-041-2-4-20140219	480-55092-4	PHENANTHRENE	2/25/2014	3300	Yes	Y				920	19	ug/kg
CC-C-041-2-4-20140219	480-55092-4	2,4-DICHLOROPHENOL	2/25/2014		Yes	N	U		U	920	48	ug/kg
CC-C-041-2-4-20140219	480-55092-4	HEXACHLOROBENZENE	2/25/2014		Yes	N	U		U	920	46	ug/kg
CC-C-041-2-4-20140219	480-55092-4	HEXACHLOROBUTADIENE	2/25/2014		Yes	N	U		U	920	47	ug/kg
CC-C-041-2-4-20140219	480-55092-4	HEXACHLOROCYCLOPENTADIENE	2/25/2014		Yes	N	U		U	920	280	ug/kg

SDG: 480550921

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-041-2-4-20140219	480-55092-4	HEXACHLOROETHANE	2/25/2014		Yes	N	U		U	920	71	ug/kg
CC-C-041-2-4-20140219	480-55092-4	INDENO(1,2,3-C,D)PYRENE	2/25/2014	510	Yes	Y	J		J	920	25	ug/kg
CC-C-041-2-4-20140219	480-55092-4	ISOPHORONE	2/25/2014		Yes	N	U		U	920	46	ug/kg
CC-C-041-2-4-20140219	480-55092-4	NAPHTHALENE	2/25/2014		Yes	N	U		U	920	15	ug/kg
CC-C-041-2-4-20140219	480-55092-4	NITROBENZENE	2/25/2014		Yes	N	U		U	920	41	ug/kg
CC-C-041-2-4-20140219	480-55092-4	N-NITROSODI-N-PROPYLAMINE	2/25/2014		Yes	N	U		U	920	73	ug/kg
CC-C-041-2-4-20140219	480-55092-4	2,6-DINITROTOLUENE	2/25/2014		Yes	N	U		U	920	220	ug/kg
CC-C-041-2-4-20140219	480-55092-4	PENTACHLOROPHENOL	2/25/2014		Yes	N	U		U	1800	310	ug/kg
CC-C-041-2-4-20140219	480-55092-4	3,3'-DICHLOROBENZIDINE	2/25/2014		Yes	N	U		U	920	800	ug/kg
CC-C-041-2-4-20140219	480-55092-4	PHENOL	2/25/2014		Yes	N	U		U	920	97	ug/kg
CC-C-041-2-4-20140219	480-55092-4	PYRENE	2/25/2014	3200	Yes	Y				920	5.9	ug/kg
CC-C-041-2-4-20140219	480-55092-4	N-NITROSODIPHENYLAMINE	2/25/2014		Yes	N	U		U	920	50	ug/kg
CC-C-041-2-4-20140219	480-55092-4	CAPROLACTAM	2/25/2014		Yes	N	U		U	920	400	ug/kg
CC-C-041-2-4-20140219	480-55092-4	2-NITROANILINE	2/25/2014		Yes	N	U		U	1800	290	ug/kg
CC-C-041-2-4-20140219	480-55092-4	BENZO(B)FLUORANTHENE	2/25/2014	2300	Yes	Y				920	18	ug/kg
CC-C-041-2-4-20140219	480-55092-4	BENZO(G,H,I)PERYLENE	2/25/2014	510	Yes	Y	J		J	920	11	ug/kg
CC-C-041-2-4-20140219	480-55092-4	BENZO(K)FLUORANTHENE	2/25/2014	1000	Yes	Y				920	10	ug/kg
CC-C-041-2-4-20140219	480-55092-4	BENZYL BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	920	250	ug/kg
CC-C-041-2-4-20140219	480-55092-4	BIPHENYL (DIPHENYL)	2/25/2014		Yes	N	U		U	920	57	ug/kg
CC-C-041-2-4-20140219	480-55092-4	BIS(2-CHLOROETHOXY) METHANE	2/25/2014		Yes	N	U		U	920	50	ug/kg
CC-C-041-2-4-20140219	480-55092-4	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/25/2014		Yes	N	U		U	920	79	ug/kg
CC-C-041-2-4-20140219	480-55092-4	BENZO(A)ANTHRACENE	2/25/2014	1800	Yes	Y				920	16	ug/kg
CC-C-041-2-4-20140219	480-55092-4	BIS(2-ETHYLHEXYL) PHTHALATE	2/25/2014		Yes	N	U		U	920	300	ug/kg
CC-C-041-2-4-20140219	480-55092-4	BENZALDEHYDE	2/25/2014		Yes	N	U		U	920	100	ug/kg

SDG: 480550921

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-041-2-4-20140219	480-55092-4	CARBAZOLE	2/25/2014	180	Yes	Y	J		J	920	11	ug/kg
CC-C-041-2-4-20140219	480-55092-4	CHRYSENE	2/25/2014	1700	Yes	Y				920	9.2	ug/kg
CC-C-041-2-4-20140219	480-55092-4	DIBENZ(A,H)ANTHRACENE	2/25/2014		Yes	N	U		U	920	11	ug/kg
CC-C-041-2-4-20140219	480-55092-4	DIBENZOFURAN	2/25/2014		Yes	N	U		U	920	9.5	ug/kg
CC-C-041-2-4-20140219	480-55092-4	DIETHYL PHTHALATE	2/25/2014		Yes	N	U		U	920	28	ug/kg
CC-C-041-2-4-20140219	480-55092-4	DIMETHYL PHTHALATE	2/25/2014		Yes	N	U		U	920	24	ug/kg
CC-C-041-2-4-20140219	480-55092-4	DI-N-BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	920	320	ug/kg
CC-C-041-2-4-20140219	480-55092-4	DI-N-OCTYLPHTHALATE	2/25/2014		Yes	N	U		U	920	21	ug/kg
CC-C-041-2-4-20140219	480-55092-4	BIS(2-CHLOROISOPROPYL) ETHER	2/25/2014		Yes	N	U		U	920	96	ug/kg
CC-C-041-2-4-20140219	480-55092-4	4-CHLOROANILINE	2/25/2014		Yes	N	U		U	920	270	ug/kg
CC-C-041-2-4-20140219	480-55092-4	2-CHLOROPHENOL	2/25/2014		Yes	N	U		U	920	47	ug/kg
CC-C-041-2-4-20140219	480-55092-4	2-METHYLNAPHTHALENE	2/25/2014		Yes	N	U		U	920	11	ug/kg
CC-C-041-2-4-20140219	480-55092-4	2-METHYLPHENOL (O-CRESOL)	2/25/2014		Yes	N	U		U	920	28	ug/kg
CC-C-041-2-4-20140219	480-55092-4	FLUORANTHENE	2/25/2014	4400	Yes	Y				920	13	ug/kg
CC-C-041-2-4-20140219	480-55092-4	2-NITROPHENOL	2/25/2014		Yes	N	U		U	920	42	ug/kg
CC-C-041-2-4-20140219	480-55092-4	3-NITROANILINE	2/25/2014		Yes	N	U		U	1800	210	ug/kg
CC-C-041-2-4-20140219	480-55092-4	4,6-DINITRO-2-METHYLPHENOL	2/25/2014		Yes	N	U		U	1800	320	ug/kg
CC-C-041-2-4-20140219	480-55092-4	BENZO(A)PYRENE	2/25/2014	1600	Yes	Y				920	22	ug/kg
CC-C-041-2-4-20140219	480-55092-4	4-CHLORO-3-METHYLPHENOL	2/25/2014		Yes	N	U		U	920	38	ug/kg
CC-C-041-2-4-20140219	480-55092-4	2-CHLORONAPHTHALENE	2/25/2014		Yes	N	U		U	920	62	ug/kg
CC-C-041-2-4-20140219	480-55092-4	4-CHLOROPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	920	20	ug/kg
CC-C-041-2-4-20140219	480-55092-4	4-METHYLPHENOL (P-CRESOL)	2/25/2014		Yes	N	U		U	1800	51	ug/kg
CC-C-041-2-4-20140219	480-55092-4	4-NITROANILINE	2/25/2014		Yes	N	U		U	1800	100	ug/kg
CC-C-041-2-4-20140219	480-55092-4	4-NITROPHENOL	2/25/2014		Yes	N	U		U	1800	220	ug/kg
CC-C-041-2-4-20140219	480-55092-4	ACENAPHTHENE	2/25/2014	370	Yes	Y	J		J	920	11	ug/kg

SDG: 480550921

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-041-2-4-20140219	480-55092-4	ACENAPHTHYLENE	2/25/2014		Yes	N	U		U	920	7.5	ug/kg
CC-C-041-2-4-20140219	480-55092-4	ACETOPHENONE	2/25/2014		Yes	N	U		U	920	47	ug/kg
CC-C-041-2-4-20140219	480-55092-4	ANTHRACENE	2/25/2014	840	Yes	Y	J		J	920	23	ug/kg
CC-C-041-2-4-20140219	480-55092-4	ATRAZINE	2/25/2014		Yes	N	U		U	920	41	ug/kg
CC-C-041-2-4-20140219	480-55092-4	4-BROMOPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	920	290	ug/kg
CC-C-041-8-10-20140219	480-55092-5	2,6-DINITROTOLUENE	2/26/2014		Yes	N	U		U	1900	460	ug/kg
CC-C-041-8-10-20140219	480-55092-5	FLUORENE	2/26/2014		Yes	N	U		U	1900	43	ug/kg
CC-C-041-8-10-20140219	480-55092-5	BENZYL BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	1900	500	ug/kg
CC-C-041-8-10-20140219	480-55092-5	BIPHENYL (DIPHENYL)	2/26/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-041-8-10-20140219	480-55092-5	BIS(2-CHLOROETHOXY) METHANE	2/26/2014		Yes	N	U		U	1900	100	ug/kg
CC-C-041-8-10-20140219	480-55092-5	2-CHLOROPHENOL	2/26/2014		Yes	N	U		U	1900	95	ug/kg
CC-C-041-8-10-20140219	480-55092-5	BIS(2-CHLOROISOPROPYL) ETHER	2/26/2014		Yes	N	U		U	1900	200	ug/kg
CC-C-041-8-10-20140219	480-55092-5	CAPROLACTAM	2/26/2014		Yes	N	U		U	1900	810	ug/kg
CC-C-041-8-10-20140219	480-55092-5	CARBAZOLE	2/26/2014		Yes	N	U		U	1900	22	ug/kg
CC-C-041-8-10-20140219	480-55092-5	CHRYSENE	2/26/2014	250	Yes	Y	J		J	1900	19	ug/kg
CC-C-041-8-10-20140219	480-55092-5	DIBENZ(A,H)ANTHRACENE	2/26/2014		Yes	N	U		U	1900	22	ug/kg
CC-C-041-8-10-20140219	480-55092-5	DIBENZOFURAN	2/26/2014		Yes	N	U		U	1900	19	ug/kg
CC-C-041-8-10-20140219	480-55092-5	DIETHYL PHTHALATE	2/26/2014		Yes	N	U		U	1900	56	ug/kg
CC-C-041-8-10-20140219	480-55092-5	DIMETHYL PHTHALATE	2/26/2014		Yes	N	U		U	1900	49	ug/kg
CC-C-041-8-10-20140219	480-55092-5	DI-N-BUTYL PHTHALATE	2/26/2014		Yes	N	U		U	1900	650	ug/kg
CC-C-041-8-10-20140219	480-55092-5	PYRENE	2/26/2014	320	Yes	Y	J		J	1900	12	ug/kg
CC-C-041-8-10-20140219	480-55092-5	ISOPHORONE	2/26/2014		Yes	N	U		U	1900	93	ug/kg
CC-C-041-8-10-20140219	480-55092-5	PHENOL	2/26/2014		Yes	N	U		U	1900	200	ug/kg
CC-C-041-8-10-20140219	480-55092-5	PHENANTHRENE	2/26/2014		Yes	N	U		U	1900	39	ug/kg
CC-C-041-8-10-20140219	480-55092-5	PENTACHLOROPHENOL	2/26/2014		Yes	N	U		U	3700	640	ug/kg

SDG: 480550921

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-041-8-10-20140219	480-55092-5	N-NITROSODIPHENYLAMINE	2/26/2014		Yes	N	U		U	1900	100	ug/kg
CC-C-041-8-10-20140219	480-55092-5	N-NITROSODI-N-PROPYLAMINE	2/26/2014		Yes	N	U		U	1900	150	ug/kg
CC-C-041-8-10-20140219	480-55092-5	DI-N-OCTYLPHTHALATE	2/26/2014		Yes	N	U		U	1900	44	ug/kg
CC-C-041-8-10-20140219	480-55092-5	NAPHTHALENE	2/26/2014		Yes	N	U		U	1900	31	ug/kg
CC-C-041-8-10-20140219	480-55092-5	FLUORANTHENE	2/26/2014	330	Yes	Y	J		J	1900	27	ug/kg
CC-C-041-8-10-20140219	480-55092-5	INDENO(1,2,3-C,D)PYRENE	2/26/2014		Yes	N	U		U	1900	52	ug/kg
CC-C-041-8-10-20140219	480-55092-5	HEXACHLOROETHANE	2/26/2014		Yes	N	U		U	1900	140	ug/kg
CC-C-041-8-10-20140219	480-55092-5	HEXACHLOROCYCLOPENTADIENE	2/26/2014		Yes	N	U		U	1900	560	ug/kg
CC-C-041-8-10-20140219	480-55092-5	HEXACHLOROBUTADIENE	2/26/2014		Yes	N	U		U	1900	96	ug/kg
CC-C-041-8-10-20140219	480-55092-5	HEXACHLOROBENZENE	2/26/2014		Yes	N	U		U	1900	93	ug/kg
CC-C-041-8-10-20140219	480-55092-5	BENZO(B)FLUORANTHENE	2/26/2014	300	Yes	Y	J		J	1900	36	ug/kg
CC-C-041-8-10-20140219	480-55092-5	NITROBENZENE	2/26/2014		Yes	N	U		U	1900	83	ug/kg
CC-C-041-8-10-20140219	480-55092-5	2-CHLORONAPHTHALENE	2/26/2014		Yes	N	U		U	1900	130	ug/kg
CC-C-041-8-10-20140219	480-55092-5	BENZO(K)FLUORANTHENE	2/26/2014		Yes	N	U		U	1900	21	ug/kg
CC-C-041-8-10-20140219	480-55092-5	3-NITROANILINE	2/26/2014		Yes	N	U		U	3700	430	ug/kg
CC-C-041-8-10-20140219	480-55092-5	3,3'-DICHLOROBENZIDINE	2/26/2014		Yes	N	U		U	1900	1600	ug/kg
CC-C-041-8-10-20140219	480-55092-5	2-NITROPHENOL	2/26/2014		Yes	N	U		U	1900	85	ug/kg
CC-C-041-8-10-20140219	480-55092-5	2-NITROANILINE	2/26/2014		Yes	N	U		U	3700	600	ug/kg
CC-C-041-8-10-20140219	480-55092-5	4-BROMOPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	1900	590	ug/kg
CC-C-041-8-10-20140219	480-55092-5	2-METHYLNAPHTHALENE	2/26/2014		Yes	N	U		U	1900	23	ug/kg
CC-C-041-8-10-20140219	480-55092-5	4-CHLORO-3-METHYLPHENOL	2/26/2014		Yes	N	U		U	1900	77	ug/kg
CC-C-041-8-10-20140219	480-55092-5	2,4-DINITROTOLUENE	2/26/2014		Yes	N	U		U	1900	290	ug/kg
CC-C-041-8-10-20140219	480-55092-5	2,4-DINITROPHENOL	2/26/2014		Yes	N	U		U	3700	650	ug/kg
CC-C-041-8-10-20140219	480-55092-5	2,4-DIMETHYLPHENOL	2/26/2014		Yes	N	U		U	1900	500	ug/kg
CC-C-041-8-10-20140219	480-55092-5	2,4-DICHLOROPHENOL	2/26/2014		Yes	N	U		U	1900	98	ug/kg

SDG: 480550921

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-041-8-10-20140219	480-55092-5	2,4,6-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-041-8-10-20140219	480-55092-5	2,4,5-TRICHLOROPHENOL	2/26/2014		Yes	N	U		U	1900	410	ug/kg
CC-C-041-8-10-20140219	480-55092-5	2-METHYLPHENOL (O-CRESOL)	2/26/2014		Yes	N	U		U	1900	57	ug/kg
CC-C-041-8-10-20140219	480-55092-5	ACENAPHTHYLENE	2/26/2014		Yes	N	U		U	1900	15	ug/kg
CC-C-041-8-10-20140219	480-55092-5	BIS(2-ETHYLHEXYL) PHTHALATE	2/26/2014		Yes	N	U		U	1900	600	ug/kg
CC-C-041-8-10-20140219	480-55092-5	BENZO(A)PYRENE	2/26/2014		Yes	N	U		U	1900	45	ug/kg
CC-C-041-8-10-20140219	480-55092-5	BENZO(A)ANTHRACENE	2/26/2014		Yes	N	U		U	1900	32	ug/kg
CC-C-041-8-10-20140219	480-55092-5	BENZALDEHYDE	2/26/2014		Yes	N	U		U	1900	200	ug/kg
CC-C-041-8-10-20140219	480-55092-5	ATRAZINE	2/26/2014		Yes	N	U		U	1900	83	ug/kg
CC-C-041-8-10-20140219	480-55092-5	4,6-DINITRO-2-METHYLPHENOL	2/26/2014		Yes	N	U		U	3700	640	ug/kg
CC-C-041-8-10-20140219	480-55092-5	ACETOPHENONE	2/26/2014		Yes	N	U		U	1900	96	ug/kg
CC-C-041-8-10-20140219	480-55092-5	BENZO(G,H,I)PERYLENE	2/26/2014		Yes	N	U		U	1900	22	ug/kg
CC-C-041-8-10-20140219	480-55092-5	ACENAPHTHENE	2/26/2014		Yes	N	U		U	1900	22	ug/kg
CC-C-041-8-10-20140219	480-55092-5	4-NITROPHENOL	2/26/2014		Yes	N	U		U	3700	450	ug/kg
CC-C-041-8-10-20140219	480-55092-5	4-NITROANILINE	2/26/2014		Yes	N	U		U	3700	210	ug/kg
CC-C-041-8-10-20140219	480-55092-5	4-METHYLPHENOL (P-CRESOL)	2/26/2014		Yes	N	U		U	3700	100	ug/kg
CC-C-041-8-10-20140219	480-55092-5	4-CHLOROPHENYL PHENYL ETHER	2/26/2014		Yes	N	U		U	1900	40	ug/kg
CC-C-041-8-10-20140219	480-55092-5	4-CHLOROANILINE	2/26/2014		Yes	N	U		U	1900	550	ug/kg
CC-C-041-8-10-20140219	480-55092-5	ANTHRACENE	2/26/2014		Yes	N	U		U	1900	48	ug/kg
CC-C-041-8-10-20140219	480-55092-5	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/26/2014		Yes	N	U		U	1900	160	ug/kg
FB003-GW-20140219	480-55092-6	2-METHYLNAPHTHALENE	2/25/2014		Yes	N	U		U	5.0	0.60	ug/l
FB003-GW-20140219	480-55092-6	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
FB003-GW-20140219	480-55092-6	BIS(2-CHLOROISOPROPYL) ETHER	2/25/2014		Yes	N	U		U	5.0	0.52	ug/l
FB003-GW-20140219	480-55092-6	BIS(2-ETHYLHEXYL) PHTHALATE	2/25/2014		Yes	N	U		U	5.0	1.8	ug/l

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB003-GW-20140219	480-55092-6	CAPROLACTAM	2/25/2014		Yes	N	U		U	5.0	2.2	ug/l
FB003-GW-20140219	480-55092-6	CARBAZOLE	2/25/2014		Yes	N	U		U	5.0	0.30	ug/l
FB003-GW-20140219	480-55092-6	CHRYSENE	2/25/2014		Yes	N	U		U	5.0	0.33	ug/l
FB003-GW-20140219	480-55092-6	DIBENZ(A,H)ANTHRACENE	2/25/2014		Yes	N	U		U	5.0	0.42	ug/l
FB003-GW-20140219	480-55092-6	4-CHLORO-3-METHYLPHENOL	2/25/2014		Yes	N	U		U	5.0	0.45	ug/l
FB003-GW-20140219	480-55092-6	2-CHLORONAPHTHALENE	2/25/2014		Yes	N	U		U	5.0	0.46	ug/l
FB003-GW-20140219	480-55092-6	BIPHENYL (DIPHENYL)	2/25/2014		Yes	N	U		U	5.0	0.65	ug/l
FB003-GW-20140219	480-55092-6	2,6-DINITROTOLUENE	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
FB003-GW-20140219	480-55092-6	2,4-DINITROTOLUENE	2/25/2014		Yes	N	U		U	5.0	0.45	ug/l
FB003-GW-20140219	480-55092-6	2,4-DINITROPHENOL	2/25/2014		Yes	N	U		U	10	2.2	ug/l
FB003-GW-20140219	480-55092-6	2,4-DIMETHYLPHENOL	2/25/2014		Yes	N	U		U	5.0	0.50	ug/l
FB003-GW-20140219	480-55092-6	2,4-DICHLOROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.51	ug/l
FB003-GW-20140219	480-55092-6	2,4,5-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.48	ug/l
FB003-GW-20140219	480-55092-6	2-CHLOROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.53	ug/l
FB003-GW-20140219	480-55092-6	BENZALDEHYDE	2/25/2014		Yes	N	U		U	5.0	0.27	ug/l
FB003-GW-20140219	480-55092-6	DIETHYL PHTHALATE	2/25/2014		Yes	N	U		U	5.0	0.22	ug/l
FB003-GW-20140219	480-55092-6	4,6-DINITRO-2-METHYLPHENOL	2/25/2014		Yes	N	U		U	10	2.2	ug/l
FB003-GW-20140219	480-55092-6	3,3'-DICHLOROBENZIDINE	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
FB003-GW-20140219	480-55092-6	3-NITROANILINE	2/25/2014		Yes	N	U		U	10	0.48	ug/l
FB003-GW-20140219	480-55092-6	ACENAPHTHENE	2/25/2014		Yes	N	U		U	5.0	0.41	ug/l
FB003-GW-20140219	480-55092-6	ACENAPHTHYLENE	2/25/2014		Yes	N	U		U	5.0	0.38	ug/l
FB003-GW-20140219	480-55092-6	ACETOPHENONE	2/25/2014		Yes	N	U		U	5.0	0.54	ug/l
FB003-GW-20140219	480-55092-6	BIS(2-CHLOROETHOXY) METHANE	2/25/2014		Yes	N	U		U	5.0	0.35	ug/l
FB003-GW-20140219	480-55092-6	ATRAZINE	2/25/2014		Yes	N	U		U	5.0	0.46	ug/l
FB003-GW-20140219	480-55092-6	4-NITROPHENOL	2/25/2014		Yes	N	U		U	10	1.5	ug/l

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB003-GW-20140219	480-55092-6	BENZO(A)ANTHRACENE	2/25/2014		Yes	N	U		U	5.0	0.36	ug/l
FB003-GW-20140219	480-55092-6	BENZO(A)PYRENE	2/25/2014		Yes	N	U		U	5.0	0.47	ug/l
FB003-GW-20140219	480-55092-6	BENZO(B)FLUORANTHENE	2/25/2014		Yes	N	U		U	5.0	0.34	ug/l
FB003-GW-20140219	480-55092-6	BENZO(G,H,I)PERYLENE	2/25/2014		Yes	N	U		U	5.0	0.35	ug/l
FB003-GW-20140219	480-55092-6	BENZO(K)FLUORANTHENE	2/25/2014		Yes	N	U		U	5.0	0.73	ug/l
FB003-GW-20140219	480-55092-6	BENZYL BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	5.0	0.42	ug/l
FB003-GW-20140219	480-55092-6	4-BROMOPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	5.0	0.45	ug/l
FB003-GW-20140219	480-55092-6	ANTHRACENE	2/25/2014		Yes	N	U		U	5.0	0.28	ug/l
FB003-GW-20140219	480-55092-6	HEXACHLOROETHANE	2/25/2014		Yes	N	U		U	5.0	0.59	ug/l
FB003-GW-20140219	480-55092-6	PHENOL	2/25/2014		Yes	N	U		U	5.0	0.39	ug/l
FB003-GW-20140219	480-55092-6	2,4,6-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.61	ug/l
FB003-GW-20140219	480-55092-6	PENTACHLOROPHENOL	2/25/2014		Yes	N	U		U	10	2.2	ug/l
FB003-GW-20140219	480-55092-6	N-NITROSODIPHENYLAMINE	2/25/2014		Yes	N	U		U	5.0	0.51	ug/l
FB003-GW-20140219	480-55092-6	N-NITROSODI-N-PROPYLAMINE	2/25/2014		Yes	N	U		U	5.0	0.54	ug/l
FB003-GW-20140219	480-55092-6	NITROBENZENE	2/25/2014		Yes	N	U		U	5.0	0.29	ug/l
FB003-GW-20140219	480-55092-6	NAPHTHALENE	2/25/2014		Yes	N	U		U	5.0	0.76	ug/l
FB003-GW-20140219	480-55092-6	4-CHLOROANILINE	2/25/2014		Yes	N	U		U	5.0	0.59	ug/l
FB003-GW-20140219	480-55092-6	INDENO(1,2,3-C,D)PYRENE	2/25/2014		Yes	N	U		U	5.0	0.47	ug/l
FB003-GW-20140219	480-55092-6	PYRENE	2/25/2014		Yes	N	U		U	5.0	0.34	ug/l
FB003-GW-20140219	480-55092-6	HEXACHLOROCYCLOPENTADIENE	2/25/2014		Yes	N	U		U	5.0	0.59	ug/l
FB003-GW-20140219	480-55092-6	HEXACHLOROBUTADIENE	2/25/2014		Yes	N	U		U	5.0	0.68	ug/l
FB003-GW-20140219	480-55092-6	HEXACHLOROBENZENE	2/25/2014		Yes	N	U		U	5.0	0.51	ug/l
FB003-GW-20140219	480-55092-6	FLUORENE	2/25/2014		Yes	N	U		U	5.0	0.36	ug/l
FB003-GW-20140219	480-55092-6	FLUORANTHENE	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
FB003-GW-20140219	480-55092-6	DI-N-OCTYLPHTHALATE	2/25/2014		Yes	N	U		U	5.0	0.47	ug/l

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB003-GW-20140219	480-55092-6	DI-N-BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	5.0	0.31	ug/l
FB003-GW-20140219	480-55092-6	DIMETHYL PHTHALATE	2/25/2014		Yes	N	U		U	5.0	0.36	ug/l
FB003-GW-20140219	480-55092-6	ISOPHORONE	2/25/2014		Yes	N	U		U	5.0	0.43	ug/l
FB003-GW-20140219	480-55092-6	4-CHLOROPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	5.0	0.35	ug/l
FB003-GW-20140219	480-55092-6	2-NITROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.48	ug/l
FB003-GW-20140219	480-55092-6	2-NITROANILINE	2/25/2014		Yes	N	U		U	10	0.42	ug/l
FB003-GW-20140219	480-55092-6	2-METHYLPHENOL (O-CRESOL)	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
FB003-GW-20140219	480-55092-6	4-METHYLPHENOL (P-CRESOL)	2/25/2014		Yes	N	U		U	10	0.36	ug/l
FB003-GW-20140219	480-55092-6	DIBENZOFURAN	2/25/2014		Yes	N	U		U	10	0.51	ug/l
FB003-GW-20140219	480-55092-6	PHENANTHRENE	2/25/2014		Yes	N	U		U	5.0	0.44	ug/l
FB003-GW-20140219	480-55092-6	4-NITROANILINE	2/25/2014		Yes	N	U		U	10	0.25	ug/l
FB026-20140219	480-55092-7	NITROBENZENE	2/25/2014		Yes	N	U		U	5.0	0.29	ug/l
FB026-20140219	480-55092-7	BENZO(A)PYRENE	2/25/2014		Yes	N	U		U	5.0	0.47	ug/l
FB026-20140219	480-55092-7	ACENAPHTHYLENE	2/25/2014		Yes	N	U		U	5.0	0.38	ug/l
FB026-20140219	480-55092-7	BENZO(B)FLUORANTHENE	2/25/2014		Yes	N	U		U	5.0	0.34	ug/l
FB026-20140219	480-55092-7	BENZO(G,H,I)PERYLENE	2/25/2014		Yes	N	U		U	5.0	0.35	ug/l
FB026-20140219	480-55092-7	BENZO(A)ANTHRACENE	2/25/2014		Yes	N	U		U	5.0	0.36	ug/l
FB026-20140219	480-55092-7	FLUORENE	2/25/2014		Yes	N	U		U	5.0	0.36	ug/l
FB026-20140219	480-55092-7	INDENO(1,2,3-C,D)PYRENE	2/25/2014		Yes	N	U		U	5.0	0.47	ug/l
FB026-20140219	480-55092-7	NAPHTHALENE	2/25/2014		Yes	N	U		U	5.0	0.76	ug/l
FB026-20140219	480-55092-7	N-NITROSODI-N-PROPYLAMINE	2/25/2014		Yes	N	U		U	5.0	0.54	ug/l
FB026-20140219	480-55092-7	N-NITROSODIPHENYLAMINE	2/25/2014		Yes	N	U		U	5.0	0.51	ug/l
FB026-20140219	480-55092-7	PENTACHLOROPHENOL	2/25/2014		Yes	N	U		U	10	2.2	ug/l
FB026-20140219	480-55092-7	PHENANTHRENE	2/25/2014		Yes	N	U		U	5.0	0.44	ug/l
FB026-20140219	480-55092-7	PHENOL	2/25/2014		Yes	N	U		U	5.0	0.39	ug/l

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB026-20140219	480-55092-7	PYRENE	2/25/2014		Yes	N	U		U	5.0	0.34	ug/l
FB026-20140219	480-55092-7	2-METHYLNAPHTHALENE	2/25/2014		Yes	N	U		U	5.0	0.60	ug/l
FB026-20140219	480-55092-7	ISOPHORONE	2/25/2014		Yes	N	U		U	5.0	0.43	ug/l
FB026-20140219	480-55092-7	2-CHLORONAPHTHALENE	2/25/2014		Yes	N	U		U	5.0	0.46	ug/l
FB026-20140219	480-55092-7	2,4,5-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.48	ug/l
FB026-20140219	480-55092-7	2,4,6-TRICHLOROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.61	ug/l
FB026-20140219	480-55092-7	2,4-DICHLOROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.51	ug/l
FB026-20140219	480-55092-7	2,4-DIMETHYLPHENOL	2/25/2014		Yes	N	U		U	5.0	0.50	ug/l
FB026-20140219	480-55092-7	2,4-DINITROPHENOL	2/25/2014		Yes	N	U		U	10	2.2	ug/l
FB026-20140219	480-55092-7	2,4-DINITROTOLUENE	2/25/2014		Yes	N	U		U	5.0	0.45	ug/l
FB026-20140219	480-55092-7	2-NITROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.48	ug/l
FB026-20140219	480-55092-7	4-CHLOROANILINE	2/25/2014		Yes	N	U		U	5.0	0.59	ug/l
FB026-20140219	480-55092-7	BIS(2-CHLOROISOPROPYL) ETHER	2/25/2014		Yes	N	U		U	5.0	0.52	ug/l
FB026-20140219	480-55092-7	4-CHLORO-3-METHYLPHENOL	2/25/2014		Yes	N	U		U	5.0	0.45	ug/l
FB026-20140219	480-55092-7	4-BROMOPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	5.0	0.45	ug/l
FB026-20140219	480-55092-7	ANTHRACENE	2/25/2014		Yes	N	U		U	5.0	0.28	ug/l
FB026-20140219	480-55092-7	BIPHENYL (DIPHENYL)	2/25/2014		Yes	N	U		U	5.0	0.65	ug/l
FB026-20140219	480-55092-7	BENZALDEHYDE	2/25/2014		Yes	N	U		U	5.0	0.27	ug/l
FB026-20140219	480-55092-7	3,3'-DICHLOROBENZIDINE	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
FB026-20140219	480-55092-7	2,6-DINITROTOLUENE	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
FB026-20140219	480-55092-7	DIETHYL PHTHALATE	2/25/2014		Yes	N	U		U	5.0	0.22	ug/l
FB026-20140219	480-55092-7	HEXACHLOROBENZENE	2/25/2014		Yes	N	U		U	5.0	0.51	ug/l
FB026-20140219	480-55092-7	HEXACHLOROBUTADIENE	2/25/2014		Yes	N	U		U	5.0	0.68	ug/l
FB026-20140219	480-55092-7	HEXACHLOROCYCLOPENTADIENE	2/25/2014		Yes	N	U		U	5.0	0.59	ug/l
FB026-20140219	480-55092-7	HEXACHLOROETHANE	2/25/2014		Yes	N	U		U	5.0	0.59	ug/l

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB026-20140219	480-55092-7	FLUORANTHENE	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
FB026-20140219	480-55092-7	DI-N-OCTYLPHTHALATE	2/25/2014		Yes	N	U		U	5.0	0.47	ug/l
FB026-20140219	480-55092-7	BIS(2-CHLOROETHOXY) METHANE	2/25/2014		Yes	N	U		U	5.0	0.35	ug/l
FB026-20140219	480-55092-7	DIMETHYL PHTHALATE	2/25/2014		Yes	N	U		U	5.0	0.36	ug/l
FB026-20140219	480-55092-7	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
FB026-20140219	480-55092-7	DIBENZOFURAN	2/25/2014		Yes	N	U		U	10	0.51	ug/l
FB026-20140219	480-55092-7	DIBENZ(A,H)ANTHRACENE	2/25/2014		Yes	N	U		U	5.0	0.42	ug/l
FB026-20140219	480-55092-7	CHRYSENE	2/25/2014		Yes	N	U		U	5.0	0.33	ug/l
FB026-20140219	480-55092-7	CARBAZOLE	2/25/2014		Yes	N	U		U	5.0	0.30	ug/l
FB026-20140219	480-55092-7	CAPROLACTAM	2/25/2014		Yes	N	U		U	5.0	2.2	ug/l
FB026-20140219	480-55092-7	BIS(2-ETHYLHEXYL) PHTHALATE	2/25/2014		Yes	N	U		U	5.0	1.8	ug/l
FB026-20140219	480-55092-7	3-NITROANILINE	2/25/2014		Yes	N	U		U	10	0.48	ug/l
FB026-20140219	480-55092-7	DI-N-BUTYL PHTHALATE	2/25/2014	0.59	Yes	Y	J		J	5.0	0.31	ug/l
FB026-20140219	480-55092-7	2-CHLOROPHENOL	2/25/2014		Yes	N	U		U	5.0	0.53	ug/l
FB026-20140219	480-55092-7	2-METHYLPHENOL (O-CRESOL)	2/25/2014		Yes	N	U		U	5.0	0.40	ug/l
FB026-20140219	480-55092-7	BENZYL BUTYL PHTHALATE	2/25/2014		Yes	N	U		U	5.0	0.42	ug/l
FB026-20140219	480-55092-7	BENZO(K)FLUORANTHENE	2/25/2014		Yes	N	U		U	5.0	0.73	ug/l
FB026-20140219	480-55092-7	ATRAZINE	2/25/2014		Yes	N	U		U	5.0	0.46	ug/l
FB026-20140219	480-55092-7	ACETOPHENONE	2/25/2014		Yes	N	U		U	5.0	0.54	ug/l
FB026-20140219	480-55092-7	ACENAPHTHENE	2/25/2014		Yes	N	U		U	5.0	0.41	ug/l
FB026-20140219	480-55092-7	4-NITROPHENOL	2/25/2014		Yes	N	U		U	10	1.5	ug/l
FB026-20140219	480-55092-7	4,6-DINITRO-2-METHYLPHENOL	2/25/2014		Yes	N	U		U	10	2.2	ug/l
FB026-20140219	480-55092-7	2-NITROANILINE	2/25/2014		Yes	N	U		U	10	0.42	ug/l
FB026-20140219	480-55092-7	4-CHLOROPHENYL PHENYL ETHER	2/25/2014		Yes	N	U		U	5.0	0.35	ug/l

SDG: 480550921

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB026-20140219	480-55092-7	4-METHYLPHENOL (P-CRESOL)	2/25/2014		Yes	N	U		U	10	0.36	ug/l
FB026-20140219	480-55092-7	4-NITROANILINE	2/25/2014		Yes	N	U		U	10	0.25	ug/l

SDG: 480551571

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801676241A	4801676241A	VANADIUM	2/27/2014		Yes	N	U		U	0.0050	0.0015	mg/l
4801676241A	4801676241A	CALCIUM	2/27/2014		Yes	N	U		U	0.50	0.10	mg/l
4801676241A	4801676241A	ANTIMONY	2/27/2014		Yes	N	U		U	0.020	0.0068	mg/l
4801676241A	4801676241A	ARSENIC	2/27/2014		Yes	N	U		U	0.010	0.0056	mg/l
4801676241A	4801676241A	CADMIUM	2/27/2014		Yes	N	U		U	0.0010	0.00050	mg/l
4801676241A	4801676241A	BERYLLIUM	2/27/2014		Yes	N	U		U	0.0020	0.00030	mg/l
4801676241A	4801676241A	BARIUM	2/27/2014		Yes	N	U		U	0.0020	0.00070	mg/l
4801676241A	4801676241A	ZINC	2/27/2014	0.00172	Yes	Y	J		J	0.010	0.0015	mg/l
4801676241A	4801676241A	THALLIUM	2/27/2014		Yes	N	U		U	0.020	0.010	mg/l
4801676241A	4801676241A	SODIUM	2/27/2014		Yes	N	U		U	1.0	0.32	mg/l
4801676241A	4801676241A	SILVER	2/27/2014		Yes	N	U		U	0.0030	0.0017	mg/l
4801676241A	4801676241A	COPPER	2/27/2014		Yes	N	U		U	0.010	0.0016	mg/l
4801676241A	4801676241A	POTASSIUM	2/27/2014		Yes	N	U		U	0.50	0.10	mg/l
4801676241A	4801676241A	NICKEL	2/27/2014		Yes	N	U		U	0.010	0.0013	mg/l
4801676241A	4801676241A	CHROMIUM, TOTAL	2/27/2014		Yes	N	U		U	0.0040	0.0010	mg/l
4801676241A	4801676241A	MANGANESE	2/27/2014	0.00228	Yes	Y	J		J	0.0030	0.00040	mg/l
4801676241A	4801676241A	MAGNESIUM	2/27/2014		Yes	N	U		U	0.20	0.043	mg/l
4801676241A	4801676241A	LEAD	2/27/2014		Yes	N	U		U	0.0050	0.0030	mg/l
4801676241A	4801676241A	IRON	2/27/2014	0.0318	Yes	Y	J		J	0.050	0.019	mg/l
4801676241A	4801676241A	SELENIUM	2/27/2014		Yes	N	U		U	0.015	0.0087	mg/l
4801676241A	4801676241A	ALUMINUM	2/27/2014		Yes	N	U		U	0.20	0.060	mg/l
4801676241A	4801676241A	COBALT	2/27/2014		Yes	N	U		U	0.0040	0.00063	mg/l
4801676501A	4801676501A	POTASSIUM	3/4/2014		Yes	N	U		U	157	20.9	mg/kg
4801676501A	4801676501A	SELENIUM	3/4/2014		Yes	N	U		U	20.9	0.42	mg/kg
4801676501A	4801676501A	SILVER	3/4/2014		Yes	N	U		U	2.6	0.21	mg/kg

SDG: 480551571

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801676501A	4801676501A	SODIUM	3/4/2014		Yes	N	U		U	731	13.6	mg/kg
4801676501A	4801676501A	THALLIUM	3/4/2014		Yes	N	U		U	31.3	0.31	mg/kg
4801676501A	4801676501A	ZINC	3/4/2014	0.331	Yes	Y	J		J	10.4	0.16	mg/kg
4801676501A	4801676501A	NICKEL	3/4/2014		Yes	N	U		U	26.1	0.24	mg/kg
4801676501A	4801676501A	COPPER	3/4/2014		Yes	N	U		U	5.2	0.22	mg/kg
4801676501A	4801676501A	VANADIUM	3/4/2014		Yes	N	U		U	2.6	0.11	mg/kg
4801676501A	4801676501A	BERYLLIUM	3/4/2014		Yes	N	U		U	1.0	0.029	mg/kg
4801676501A	4801676501A	ALUMINUM	3/4/2014		Yes	N	U		U	52.2	4.6	mg/kg
4801676501A	4801676501A	LEAD	3/4/2014		Yes	N	U		U	5.2	0.25	mg/kg
4801676501A	4801676501A	MANGANESE	3/4/2014	0.0627	Yes	Y	J		J	1.0	0.033	mg/kg
4801676501A	4801676501A	BARIUM	3/4/2014		Yes	N	U		U	2.6	0.11	mg/kg
4801676501A	4801676501A	ANTIMONY	3/4/2014		Yes	N	U		U	78.3	0.42	mg/kg
4801676501A	4801676501A	CADMIUM	3/4/2014		Yes	N	U		U	1.0	0.031	mg/kg
4801676501A	4801676501A	CALCIUM	3/4/2014	3.41	Yes	Y	J		J	261	3.4	mg/kg
4801676501A	4801676501A	CHROMIUM, TOTAL	3/4/2014		Yes	N	U		U	2.6	0.21	mg/kg
4801676501A	4801676501A	COBALT	3/4/2014		Yes	N	U		U	2.6	0.052	mg/kg
4801676501A	4801676501A	IRON	3/4/2014	3.09	Yes	Y	J		J	52.2	1.1	mg/kg
4801676501A	4801676501A	MAGNESIUM	3/4/2014		Yes	N	U		U	104	0.97	mg/kg
4801676501A	4801676501A	ARSENIC	3/4/2014		Yes	N	U		U	10.4	0.42	mg/kg
4801676521A	4801676521A	SELENIUM	3/4/2014		Yes	N	U		U	22.0	0.44	mg/kg
4801676521A	4801676521A	MAGNESIUM	3/4/2014		Yes	N	U		U	110	1.0	mg/kg
4801676521A	4801676521A	MANGANESE	3/4/2014	0.044	Yes	Y	J		J	1.1	0.035	mg/kg
4801676521A	4801676521A	NICKEL	3/4/2014		Yes	N	U		U	27.5	0.25	mg/kg
4801676521A	4801676521A	POTASSIUM	3/4/2014		Yes	N	U		U	165	22.0	mg/kg
4801676521A	4801676521A	SILVER	3/4/2014		Yes	N	U		U	2.8	0.22	mg/kg

SDG: 480551571

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801676521A	4801676521A	SODIUM	3/4/2014		Yes	N	U		U	770	14.3	mg/kg
4801676521A	4801676521A	THALLIUM	3/4/2014		Yes	N	U		U	33.0	0.33	mg/kg
4801676521A	4801676521A	VANADIUM	3/4/2014		Yes	N	U		U	2.8	0.12	mg/kg
4801676521A	4801676521A	ANTIMONY	3/4/2014		Yes	N	U		U	82.5	0.44	mg/kg
4801676521A	4801676521A	COPPER	3/4/2014		Yes	N	U		U	5.5	0.23	mg/kg
4801676521A	4801676521A	ZINC	3/4/2014	0.367	Yes	Y	J		J	11.0	0.17	mg/kg
4801676521A	4801676521A	ALUMINUM	3/4/2014		Yes	N	U		U	55.0	4.8	mg/kg
4801676521A	4801676521A	COBALT	3/4/2014		Yes	N	U		U	2.8	0.055	mg/kg
4801676521A	4801676521A	CHROMIUM, TOTAL	3/4/2014		Yes	N	U		U	2.8	0.22	mg/kg
4801676521A	4801676521A	CALCIUM	3/4/2014	11.56	Yes	Y	J		J	275	3.6	mg/kg
4801676521A	4801676521A	CADMIUM	3/4/2014		Yes	N	U		U	1.1	0.033	mg/kg
4801676521A	4801676521A	BERYLLIUM	3/4/2014		Yes	N	U		U	1.1	0.031	mg/kg
4801676521A	4801676521A	BARIUM	3/4/2014		Yes	N	U		U	2.8	0.12	mg/kg
4801676521A	4801676521A	ARSENIC	3/4/2014		Yes	N	U		U	11.0	0.44	mg/kg
4801676521A	4801676521A	LEAD	3/4/2014		Yes	N	U		U	5.5	0.26	mg/kg
4801676521A	4801676521A	IRON	3/4/2014	2.19	Yes	Y	J		J	55.0	1.2	mg/kg
CC-C-048-0-2-20140221	480-55157-1	ZINC	3/4/2014	21.9	Yes	Y	B	J	J	11.1	0.17	mg/kg
CC-C-048-0-2-20140221	480-55157-1	POTASSIUM	3/4/2014	453	Yes	Y				167	22.2	mg/kg
CC-C-048-0-2-20140221	480-55157-1	SELENIUM	3/4/2014		Yes	N	U		U	22.2	0.44	mg/kg
CC-C-048-0-2-20140221	480-55157-1	SILVER	3/4/2014		Yes	N	U		U	2.8	0.22	mg/kg
CC-C-048-0-2-20140221	480-55157-1	SODIUM	3/4/2014	78	Yes	Y	J		J	778	14.5	mg/kg
CC-C-048-0-2-20140221	480-55157-1	MAGNESIUM	3/4/2014	1040	Yes	Y		J	J	111	1.0	mg/kg
CC-C-048-0-2-20140221	480-55157-1	VANADIUM	3/4/2014	11.3	Yes	Y		J	J	2.8	0.12	mg/kg
CC-C-048-0-2-20140221	480-55157-1	THALLIUM	3/4/2014		Yes	N	U		U	33.4	0.33	mg/kg
CC-C-048-0-2-20140221	480-55157-1	MANGANESE	3/4/2014	88.5	Yes	Y	B	J	J	1.1	0.036	mg/kg

SDG: 480551571

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-048-0-2-20140221	480-55157-1	LEAD	3/4/2014	17.3	Yes	Y		J	J	5.6	0.27	mg/kg
CC-C-048-0-2-20140221	480-55157-1	IRON	3/4/2014	6810	Yes	Y	B	J	J	55.6	1.2	mg/kg
CC-C-048-0-2-20140221	480-55157-1	COPPER	3/4/2014	9.1	Yes	Y		J	J	5.6	0.23	mg/kg
CC-C-048-0-2-20140221	480-55157-1	COBALT	3/4/2014	2.2	Yes	Y	J		J	2.8	0.056	mg/kg
CC-C-048-0-2-20140221	480-55157-1	CHROMIUM, TOTAL	3/4/2014	9.5	Yes	Y		J	J	2.8	0.22	mg/kg
CC-C-048-0-2-20140221	480-55157-1	NICKEL	3/4/2014	4.2	Yes	Y	J	J	J	27.8	0.26	mg/kg
CC-C-048-0-2-20140221	480-55157-1	ARSENIC	3/4/2014	3.9	Yes	Y	J		J	11.1	0.44	mg/kg
CC-C-048-0-2-20140221	480-55157-1	CALCIUM	3/4/2014	14100	Yes	Y	B	J	J	278	3.7	mg/kg
CC-C-048-0-2-20140221	480-55157-1	CADMIUM	3/4/2014	0.13	Yes	Y	J		J	1.1	0.033	mg/kg
CC-C-048-0-2-20140221	480-55157-1	BARIUM	3/4/2014	22.7	Yes	Y		J	J	2.8	0.12	mg/kg
CC-C-048-0-2-20140221	480-55157-1	ANTIMONY	3/4/2014	0.79	Yes	Y	J		J	83.4	0.44	mg/kg
CC-C-048-0-2-20140221	480-55157-1	ALUMINUM	3/4/2014	5890	Yes	Y		J	J	55.6	4.9	mg/kg
CC-C-048-0-2-20140221	480-55157-1	BERYLLIUM	3/4/2014	0.17	Yes	Y	J		J	1.1	0.031	mg/kg
CC-C-048-4-6-20140221	480-55157-3	ARSENIC	3/4/2014	4.1	Yes	Y	J		J	10.6	0.42	mg/kg
CC-C-048-4-6-20140221	480-55157-3	CALCIUM	3/4/2014	8440	Yes	Y	B	J	J	265	3.5	mg/kg
CC-C-048-4-6-20140221	480-55157-3	ALUMINUM	3/4/2014	6150	Yes	Y		J	J	52.9	4.7	mg/kg
CC-C-048-4-6-20140221	480-55157-3	ANTIMONY	3/4/2014	0.45	Yes	Y	J		J	79.4	0.42	mg/kg
CC-C-048-4-6-20140221	480-55157-3	MANGANESE	3/4/2014	203	Yes	Y	B	J	J	1.1	0.034	mg/kg
CC-C-048-4-6-20140221	480-55157-3	ZINC	3/4/2014	70.5	Yes	Y	B	J	J	10.6	0.16	mg/kg
CC-C-048-4-6-20140221	480-55157-3	VANADIUM	3/4/2014	16.6	Yes	Y		J	J	2.6	0.12	mg/kg
CC-C-048-4-6-20140221	480-55157-3	THALLIUM	3/4/2014		Yes	N	U		U	31.7	0.32	mg/kg
CC-C-048-4-6-20140221	480-55157-3	SODIUM	3/4/2014	100	Yes	Y	J		J	741	13.8	mg/kg
CC-C-048-4-6-20140221	480-55157-3	SILVER	3/4/2014	0.25	Yes	Y	J		J	2.6	0.21	mg/kg
CC-C-048-4-6-20140221	480-55157-3	SELENIUM	3/4/2014		Yes	N	U		U	21.2	0.42	mg/kg
CC-C-048-4-6-20140221	480-55157-3	BERYLLIUM	3/4/2014	0.24	Yes	Y	J		J	1.1	0.030	mg/kg

SDG: 480551571

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-048-4-6-20140221	480-55157-3	NICKEL	3/4/2014	11	Yes	Y	J	J	J	26.5	0.24	mg/kg
CC-C-048-4-6-20140221	480-55157-3	BARIUM	3/4/2014	39.7	Yes	Y		J	J	2.6	0.12	mg/kg
CC-C-048-4-6-20140221	480-55157-3	MAGNESIUM	3/4/2014	4140	Yes	Y		J	J	106	0.98	mg/kg
CC-C-048-4-6-20140221	480-55157-3	LEAD	3/4/2014	90.9	Yes	Y		J	J	5.3	0.25	mg/kg
CC-C-048-4-6-20140221	480-55157-3	IRON	3/4/2014	13300	Yes	Y	B	J	J	52.9	1.2	mg/kg
CC-C-048-4-6-20140221	480-55157-3	COPPER	3/4/2014	28.3	Yes	Y		J	J	5.3	0.22	mg/kg
CC-C-048-4-6-20140221	480-55157-3	COBALT	3/4/2014	4.5	Yes	Y				2.6	0.053	mg/kg
CC-C-048-4-6-20140221	480-55157-3	CHROMIUM, TOTAL	3/4/2014	15.2	Yes	Y		J	J	2.6	0.21	mg/kg
CC-C-048-4-6-20140221	480-55157-3	CADMIUM	3/4/2014	0.29	Yes	Y	J		J	1.1	0.032	mg/kg
CC-C-048-4-6-20140221	480-55157-3	POTASSIUM	3/4/2014	607	Yes	Y				159	21.2	mg/kg
CC-C-048-8-10-20140221	480-55157-4	MAGNESIUM	3/4/2014	2590	Yes	Y		J	J	110	1.0	mg/kg
CC-C-048-8-10-20140221	480-55157-4	ALUMINUM	3/4/2014	5720	Yes	Y		J	J	55.1	4.9	mg/kg
CC-C-048-8-10-20140221	480-55157-4	ARSENIC	3/4/2014	9.8	Yes	Y	J		J	11.0	0.44	mg/kg
CC-C-048-8-10-20140221	480-55157-4	BARIUM	3/4/2014	76.2	Yes	Y		J	J	2.8	0.12	mg/kg
CC-C-048-8-10-20140221	480-55157-4	BERYLLIUM	3/4/2014	0.25	Yes	Y	J		J	1.1	0.031	mg/kg
CC-C-048-8-10-20140221	480-55157-4	CADMIUM	3/4/2014	0.78	Yes	Y	J		J	1.1	0.033	mg/kg
CC-C-048-8-10-20140221	480-55157-4	CALCIUM	3/4/2014	7230	Yes	Y	B	J	J	276	3.6	mg/kg
CC-C-048-8-10-20140221	480-55157-4	CHROMIUM, TOTAL	3/4/2014	18	Yes	Y		J	J	2.8	0.22	mg/kg
CC-C-048-8-10-20140221	480-55157-4	COBALT	3/4/2014	6	Yes	Y				2.8	0.055	mg/kg
CC-C-048-8-10-20140221	480-55157-4	COPPER	3/4/2014	96.9	Yes	Y		J	J	5.5	0.23	mg/kg
CC-C-048-8-10-20140221	480-55157-4	ANTIMONY	3/4/2014	2.3	Yes	Y	J		J	82.7	0.44	mg/kg
CC-C-048-8-10-20140221	480-55157-4	LEAD	3/4/2014	699	Yes	Y		J	J	5.5	0.26	mg/kg
CC-C-048-8-10-20140221	480-55157-4	MANGANESE	3/4/2014	206	Yes	Y	B	J	J	1.1	0.035	mg/kg
CC-C-048-8-10-20140221	480-55157-4	NICKEL	3/4/2014	15.8	Yes	Y	J	J	J	27.6	0.25	mg/kg
CC-C-048-8-10-20140221	480-55157-4	POTASSIUM	3/4/2014	643	Yes	Y				165	22.1	mg/kg

SDG: 480551571

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-048-8-10-20140221	480-55157-4	SELENIUM	3/4/2014		Yes	N	U		U	22.1	0.44	mg/kg
CC-C-048-8-10-20140221	480-55157-4	SILVER	3/4/2014	2.1	Yes	Y	J		J	2.8	0.22	mg/kg
CC-C-048-8-10-20140221	480-55157-4	SODIUM	3/4/2014	180	Yes	Y	J		J	772	14.3	mg/kg
CC-C-048-8-10-20140221	480-55157-4	THALLIUM	3/4/2014		Yes	N	U		U	33.1	0.33	mg/kg
CC-C-048-8-10-20140221	480-55157-4	VANADIUM	3/4/2014	16.9	Yes	Y		J	J	2.8	0.12	mg/kg
CC-C-048-8-10-20140221	480-55157-4	ZINC	3/4/2014	183	Yes	Y	B	J	J	11.0	0.17	mg/kg
CC-C-048-8-10-20140221	480-55157-4	IRON	3/4/2014	15200	Yes	Y	B	J	J	55.1	1.2	mg/kg
CC-C-049-0-2-20140221	480-55157-5	CHROMIUM, TOTAL	3/4/2014	19.1	Yes	Y		J	J	3.4	0.27	mg/kg
CC-C-049-0-2-20140221	480-55157-5	POTASSIUM	3/4/2014	833	Yes	Y				201	26.8	mg/kg
CC-C-049-0-2-20140221	480-55157-5	ZINC	3/4/2014	169	Yes	Y	B	J	J	13.4	0.21	mg/kg
CC-C-049-0-2-20140221	480-55157-5	VANADIUM	3/4/2014	22	Yes	Y		J	J	3.4	0.15	mg/kg
CC-C-049-0-2-20140221	480-55157-5	THALLIUM	3/4/2014		Yes	N	U		U	40.2	0.40	mg/kg
CC-C-049-0-2-20140221	480-55157-5	SODIUM	3/4/2014	131	Yes	Y	J		J	939	17.4	mg/kg
CC-C-049-0-2-20140221	480-55157-5	SELENIUM	3/4/2014		Yes	N	U		U	26.8	0.54	mg/kg
CC-C-049-0-2-20140221	480-55157-5	NICKEL	3/4/2014	18.8	Yes	Y	J	J	J	33.5	0.31	mg/kg
CC-C-049-0-2-20140221	480-55157-5	MANGANESE	3/4/2014	308	Yes	Y	B	J	J	1.3	0.043	mg/kg
CC-C-049-0-2-20140221	480-55157-5	MAGNESIUM	3/4/2014	9360	Yes	Y		J	J	134	1.2	mg/kg
CC-C-049-0-2-20140221	480-55157-5	LEAD	3/4/2014	144	Yes	Y		J	J	6.7	0.32	mg/kg
CC-C-049-0-2-20140221	480-55157-5	ANTIMONY	3/4/2014	3.9	Yes	Y	J		J	101	0.54	mg/kg
CC-C-049-0-2-20140221	480-55157-5	SILVER	3/4/2014	1.5	Yes	Y	J		J	3.4	0.27	mg/kg
CC-C-049-0-2-20140221	480-55157-5	ALUMINUM	3/4/2014	7110	Yes	Y		J	J	67.1	5.9	mg/kg
CC-C-049-0-2-20140221	480-55157-5	IRON	3/4/2014	15600	Yes	Y	B	J	J	67.1	1.5	mg/kg
CC-C-049-0-2-20140221	480-55157-5	ARSENIC	3/4/2014	15	Yes	Y				13.4	0.54	mg/kg
CC-C-049-0-2-20140221	480-55157-5	BARIUM	3/4/2014	81.8	Yes	Y		J	J	3.4	0.15	mg/kg
CC-C-049-0-2-20140221	480-55157-5	CALCIUM	3/4/2014	20700	Yes	Y	B	J	J	335	4.4	mg/kg

SDG: 480551571

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-049-0-2-20140221	480-55157-5	CADMIUM	3/4/2014	0.86	Yes	Y	J		J	1.3	0.040	mg/kg
CC-C-049-0-2-20140221	480-55157-5	COBALT	3/4/2014	7.1	Yes	Y				3.4	0.067	mg/kg
CC-C-049-0-2-20140221	480-55157-5	COPPER	3/4/2014	79.9	Yes	Y		J	J	6.7	0.28	mg/kg
CC-C-049-0-2-20140221	480-55157-5	BERYLLIUM	3/4/2014	0.27	Yes	Y	J		J	1.3	0.038	mg/kg
CC-C-049-2-4-20140221	480-55157-6	VANADIUM	3/4/2014	19.7	Yes	Y		J	J	2.8	0.12	mg/kg
CC-C-049-2-4-20140221	480-55157-6	MAGNESIUM	3/4/2014	2360	Yes	Y		J	J	112	1.0	mg/kg
CC-C-049-2-4-20140221	480-55157-6	MANGANESE	3/4/2014	232	Yes	Y	B	J	J	1.1	0.036	mg/kg
CC-C-049-2-4-20140221	480-55157-6	NICKEL	3/4/2014	23.3	Yes	Y	J	J	J	28.0	0.26	mg/kg
CC-C-049-2-4-20140221	480-55157-6	POTASSIUM	3/4/2014	682	Yes	Y				168	22.4	mg/kg
CC-C-049-2-4-20140221	480-55157-6	SELENIUM	3/4/2014		Yes	N	U		U	22.4	0.45	mg/kg
CC-C-049-2-4-20140221	480-55157-6	SILVER	3/4/2014	1.8	Yes	Y	J		J	2.8	0.22	mg/kg
CC-C-049-2-4-20140221	480-55157-6	ZINC	3/4/2014	173	Yes	Y	B	J	J	11.2	0.17	mg/kg
CC-C-049-2-4-20140221	480-55157-6	THALLIUM	3/4/2014		Yes	N	U		U	33.6	0.34	mg/kg
CC-C-049-2-4-20140221	480-55157-6	BERYLLIUM	3/4/2014	0.26	Yes	Y	J		J	1.1	0.031	mg/kg
CC-C-049-2-4-20140221	480-55157-6	LEAD	3/4/2014	130	Yes	Y		J	J	5.6	0.27	mg/kg
CC-C-049-2-4-20140221	480-55157-6	SODIUM	3/4/2014	208	Yes	Y	J		J	783	14.5	mg/kg
CC-C-049-2-4-20140221	480-55157-6	BARIUM	3/4/2014	76.6	Yes	Y		J	J	2.8	0.12	mg/kg
CC-C-049-2-4-20140221	480-55157-6	CALCIUM	3/4/2014	6280	Yes	Y	B	J	J	280	3.7	mg/kg
CC-C-049-2-4-20140221	480-55157-6	IRON	3/4/2014	19200	Yes	Y	B	J	J	55.9	1.2	mg/kg
CC-C-049-2-4-20140221	480-55157-6	ARSENIC	3/4/2014	7.1	Yes	Y	J		J	11.2	0.45	mg/kg
CC-C-049-2-4-20140221	480-55157-6	ALUMINUM	3/4/2014	6790	Yes	Y		J	J	55.9	4.9	mg/kg
CC-C-049-2-4-20140221	480-55157-6	CADMIUM	3/4/2014	0.65	Yes	Y	J		J	1.1	0.034	mg/kg
CC-C-049-2-4-20140221	480-55157-6	CHROMIUM, TOTAL	3/4/2014	20.2	Yes	Y		J	J	2.8	0.22	mg/kg
CC-C-049-2-4-20140221	480-55157-6	COBALT	3/4/2014	8	Yes	Y				2.8	0.056	mg/kg
CC-C-049-2-4-20140221	480-55157-6	COPPER	3/4/2014	128	Yes	Y		J	J	5.6	0.23	mg/kg

SDG: 480551571

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-049-2-4-20140221	480-55157-6	ANTIMONY	3/4/2014	2.2	Yes	Y	J		J	83.9	0.45	mg/kg
CC-C-049-8-10-20140221	480-55157-7	MAGNESIUM	3/4/2014	729	Yes	Y		J	J	104	0.96	mg/kg
CC-C-049-8-10-20140221	480-55157-7	LEAD	3/4/2014	25.5	Yes	Y		J	J	5.2	0.25	mg/kg
CC-C-049-8-10-20140221	480-55157-7	SELENIUM	3/4/2014		Yes	N	U		U	20.8	0.42	mg/kg
CC-C-049-8-10-20140221	480-55157-7	MANGANESE	3/4/2014	55	Yes	Y	B	J	J	1.0	0.033	mg/kg
CC-C-049-8-10-20140221	480-55157-7	NICKEL	3/4/2014	4.4	Yes	Y	J	J	J	26.0	0.24	mg/kg
CC-C-049-8-10-20140221	480-55157-7	POTASSIUM	3/4/2014	531	Yes	Y				156	20.8	mg/kg
CC-C-049-8-10-20140221	480-55157-7	SILVER	3/4/2014	0.69	Yes	Y	J		J	2.6	0.21	mg/kg
CC-C-049-8-10-20140221	480-55157-7	SODIUM	3/4/2014	108	Yes	Y	J		J	728	13.5	mg/kg
CC-C-049-8-10-20140221	480-55157-7	THALLIUM	3/4/2014		Yes	N	U		U	31.2	0.31	mg/kg
CC-C-049-8-10-20140221	480-55157-7	ZINC	3/4/2014	36.5	Yes	Y	B	J	J	10.4	0.16	mg/kg
CC-C-049-8-10-20140221	480-55157-7	BARIUM	3/4/2014	13.8	Yes	Y		J	J	2.6	0.11	mg/kg
CC-C-049-8-10-20140221	480-55157-7	IRON	3/4/2014	5790	Yes	Y	B	J	J	52.0	1.1	mg/kg
CC-C-049-8-10-20140221	480-55157-7	VANADIUM	3/4/2014	8.3	Yes	Y		J	J	2.6	0.11	mg/kg
CC-C-049-8-10-20140221	480-55157-7	COBALT	3/4/2014	2	Yes	Y	J		J	2.6	0.052	mg/kg
CC-C-049-8-10-20140221	480-55157-7	CHROMIUM, TOTAL	3/4/2014	8.5	Yes	Y		J	J	2.6	0.21	mg/kg
CC-C-049-8-10-20140221	480-55157-7	CALCIUM	3/4/2014	4540	Yes	Y	B	J	J	260	3.4	mg/kg
CC-C-049-8-10-20140221	480-55157-7	BERYLLIUM	3/4/2014	0.15	Yes	Y	J		J	1.0	0.029	mg/kg
CC-C-049-8-10-20140221	480-55157-7	CADMIUM	3/4/2014	0.24	Yes	Y	J		J	1.0	0.031	mg/kg
CC-C-049-8-10-20140221	480-55157-7	ARSENIC	3/4/2014	7.2	Yes	Y	J		J	10.4	0.42	mg/kg
CC-C-049-8-10-20140221	480-55157-7	ANTIMONY	3/4/2014	1.3	Yes	Y	J		J	78.0	0.42	mg/kg
CC-C-049-8-10-20140221	480-55157-7	ALUMINUM	3/4/2014	2650	Yes	Y		J	J	52.0	4.6	mg/kg
CC-C-049-8-10-20140221	480-55157-7	COPPER	3/4/2014	27.7	Yes	Y		J	J	5.2	0.22	mg/kg
CC-C-050-0-2-20140221	480-55157-8	THALLIUM	3/4/2014		Yes	N	U		U	31.4	0.31	mg/kg
CC-C-050-0-2-20140221	480-55157-8	COPPER	3/4/2014	35.2	Yes	Y		J	J	5.2	0.22	mg/kg

SDG: 480551571

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-050-0-2-20140221	480-55157-8	LEAD	3/4/2014	48.7	Yes	Y		J	J	5.2	0.25	mg/kg
CC-C-050-0-2-20140221	480-55157-8	MAGNESIUM	3/4/2014	524	Yes	Y		J	J	105	0.97	mg/kg
CC-C-050-0-2-20140221	480-55157-8	MANGANESE	3/4/2014	75.8	Yes	Y	B	J	J	1.0	0.033	mg/kg
CC-C-050-0-2-20140221	480-55157-8	NICKEL	3/4/2014	8	Yes	Y	J	J	J	26.1	0.24	mg/kg
CC-C-050-0-2-20140221	480-55157-8	POTASSIUM	3/4/2014	317	Yes	Y				157	20.9	mg/kg
CC-C-050-0-2-20140221	480-55157-8	SELENIUM	3/4/2014		Yes	N	U		U	20.9	0.42	mg/kg
CC-C-050-0-2-20140221	480-55157-8	SODIUM	3/4/2014	34.1	Yes	Y	J		J	732	13.6	mg/kg
CC-C-050-0-2-20140221	480-55157-8	COBALT	3/4/2014	2.3	Yes	Y	J		J	2.6	0.052	mg/kg
CC-C-050-0-2-20140221	480-55157-8	VANADIUM	3/4/2014	8.2	Yes	Y		J	J	2.6	0.11	mg/kg
CC-C-050-0-2-20140221	480-55157-8	ZINC	3/4/2014	79.3	Yes	Y	B	J	J	10.5	0.16	mg/kg
CC-C-050-0-2-20140221	480-55157-8	SILVER	3/4/2014	0.78	Yes	Y	J		J	2.6	0.21	mg/kg
CC-C-050-0-2-20140221	480-55157-8	ALUMINUM	3/4/2014	2420	Yes	Y		J	J	52.3	4.6	mg/kg
CC-C-050-0-2-20140221	480-55157-8	CALCIUM	3/4/2014	1530	Yes	Y	B	J	J	261	3.4	mg/kg
CC-C-050-0-2-20140221	480-55157-8	CADMIUM	3/4/2014	0.36	Yes	Y	J		J	1.0	0.031	mg/kg
CC-C-050-0-2-20140221	480-55157-8	BERYLLIUM	3/4/2014	0.13	Yes	Y	J		J	1.0	0.029	mg/kg
CC-C-050-0-2-20140221	480-55157-8	BARIUM	3/4/2014	30.1	Yes	Y		J	J	2.6	0.11	mg/kg
CC-C-050-0-2-20140221	480-55157-8	ARSENIC	3/4/2014	4.4	Yes	Y	J		J	10.5	0.42	mg/kg
CC-C-050-0-2-20140221	480-55157-8	ANTIMONY	3/4/2014	2.8	Yes	Y	J		J	78.4	0.42	mg/kg
CC-C-050-0-2-20140221	480-55157-8	IRON	3/4/2014	8350	Yes	Y	B	J	J	52.3	1.1	mg/kg
CC-C-050-0-2-20140221	480-55157-8	CHROMIUM, TOTAL	3/4/2014	7.8	Yes	Y		J	J	2.6	0.21	mg/kg
CC-C-050-2-4-20140221	480-55157-9	NICKEL	3/4/2014	5.1	Yes	Y	J	J	J	30.4	0.28	mg/kg
CC-C-050-2-4-20140221	480-55157-9	MANGANESE	3/4/2014	50.1	Yes	Y	B	J	J	1.2	0.039	mg/kg
CC-C-050-2-4-20140221	480-55157-9	MAGNESIUM	3/4/2014	469	Yes	Y		J	J	122	1.1	mg/kg
CC-C-050-2-4-20140221	480-55157-9	POTASSIUM	3/4/2014	399	Yes	Y				182	24.3	mg/kg
CC-C-050-2-4-20140221	480-55157-9	IRON	3/4/2014	7730	Yes	Y	B	J	J	60.8	1.3	mg/kg

SDG: 480551571

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-050-2-4-20140221	480-55157-9	THALLIUM	3/4/2014		Yes	N	U		U	36.5	0.36	mg/kg
CC-C-050-2-4-20140221	480-55157-9	LEAD	3/4/2014	19.8	Yes	Y		J	J	6.1	0.29	mg/kg
CC-C-050-2-4-20140221	480-55157-9	ZINC	3/4/2014	38.7	Yes	Y	B	J	J	12.2	0.19	mg/kg
CC-C-050-2-4-20140221	480-55157-9	SELENIUM	3/4/2014		Yes	N	U		U	24.3	0.49	mg/kg
CC-C-050-2-4-20140221	480-55157-9	SILVER	3/4/2014	0.64	Yes	Y	J		J	3.0	0.24	mg/kg
CC-C-050-2-4-20140221	480-55157-9	ALUMINUM	3/4/2014	2290	Yes	Y		J	J	60.8	5.4	mg/kg
CC-C-050-2-4-20140221	480-55157-9	VANADIUM	3/4/2014	10.2	Yes	Y		J	J	3.0	0.13	mg/kg
CC-C-050-2-4-20140221	480-55157-9	SODIUM	3/4/2014	29.9	Yes	Y	J		J	851	15.8	mg/kg
CC-C-050-2-4-20140221	480-55157-9	COPPER	3/4/2014	14.5	Yes	Y		J	J	6.1	0.26	mg/kg
CC-C-050-2-4-20140221	480-55157-9	CHROMIUM, TOTAL	3/4/2014	8.7	Yes	Y		J	J	3.0	0.24	mg/kg
CC-C-050-2-4-20140221	480-55157-9	CALCIUM	3/4/2014	611	Yes	Y	B	J	J	304	4.0	mg/kg
CC-C-050-2-4-20140221	480-55157-9	CADMIUM	3/4/2014	0.2	Yes	Y	J		J	1.2	0.036	mg/kg
CC-C-050-2-4-20140221	480-55157-9	BERYLLIUM	3/4/2014	0.19	Yes	Y	J		J	1.2	0.034	mg/kg
CC-C-050-2-4-20140221	480-55157-9	BARIUM	3/4/2014	16.8	Yes	Y		J	J	3.0	0.13	mg/kg
CC-C-050-2-4-20140221	480-55157-9	ARSENIC	3/4/2014	3.6	Yes	Y	J		J	12.2	0.49	mg/kg
CC-C-050-2-4-20140221	480-55157-9	ANTIMONY	3/4/2014	1.7	Yes	Y	J		J	91.2	0.49	mg/kg
CC-C-050-2-4-20140221	480-55157-9	COBALT	3/4/2014	2.1	Yes	Y	J		J	3.0	0.061	mg/kg
CC-C-050-8-10-20140221	480-55157-10	ZINC	3/4/2014	63.3	Yes	Y	B	J	J	11.4	0.17	mg/kg
CC-C-050-8-10-20140221	480-55157-10	COPPER	3/4/2014	27	Yes	Y		J	J	5.7	0.24	mg/kg
CC-C-050-8-10-20140221	480-55157-10	IRON	3/4/2014	10100	Yes	Y	B	J	J	56.9	1.3	mg/kg
CC-C-050-8-10-20140221	480-55157-10	LEAD	3/4/2014	37.5	Yes	Y		J	J	5.7	0.27	mg/kg
CC-C-050-8-10-20140221	480-55157-10	MAGNESIUM	3/4/2014	1300	Yes	Y		J	J	114	1.1	mg/kg
CC-C-050-8-10-20140221	480-55157-10	MANGANESE	3/4/2014	99.5	Yes	Y	B	J	J	1.1	0.036	mg/kg
CC-C-050-8-10-20140221	480-55157-10	NICKEL	3/4/2014	7.8	Yes	Y	J	J	J	28.4	0.26	mg/kg
CC-C-050-8-10-20140221	480-55157-10	POTASSIUM	3/4/2014	949	Yes	Y				171	22.7	mg/kg

SDG: 480551571

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-050-8-10-20140221	480-55157-10	SILVER	3/4/2014	1.7	Yes	Y	J		J	2.8	0.23	mg/kg
CC-C-050-8-10-20140221	480-55157-10	COBALT	3/4/2014	3.6	Yes	Y				2.8	0.057	mg/kg
CC-C-050-8-10-20140221	480-55157-10	VANADIUM	3/4/2014	15.1	Yes	Y		J	J	2.8	0.13	mg/kg
CC-C-050-8-10-20140221	480-55157-10	SELENIUM	3/4/2014	1	Yes	Y	J		J	22.7	0.45	mg/kg
CC-C-050-8-10-20140221	480-55157-10	THALLIUM	3/4/2014		Yes	N	U		U	34.1	0.34	mg/kg
CC-C-050-8-10-20140221	480-55157-10	CALCIUM	3/4/2014	1240	Yes	Y	B	J	J	284	3.8	mg/kg
CC-C-050-8-10-20140221	480-55157-10	CADMIUM	3/4/2014	0.54	Yes	Y	J		J	1.1	0.034	mg/kg
CC-C-050-8-10-20140221	480-55157-10	BERYLLIUM	3/4/2014	0.26	Yes	Y	J		J	1.1	0.032	mg/kg
CC-C-050-8-10-20140221	480-55157-10	BARIUM	3/4/2014	17.2	Yes	Y		J	J	2.8	0.13	mg/kg
CC-C-050-8-10-20140221	480-55157-10	ARSENIC	3/4/2014	19.4	Yes	Y				11.4	0.45	mg/kg
CC-C-050-8-10-20140221	480-55157-10	ANTIMONY	3/4/2014	2	Yes	Y	J		J	85.3	0.45	mg/kg
CC-C-050-8-10-20140221	480-55157-10	ALUMINUM	3/4/2014	4250	Yes	Y		J	J	56.9	5.0	mg/kg
CC-C-050-8-10-20140221	480-55157-10	SODIUM	3/4/2014	373	Yes	Y	J		J	796	14.8	mg/kg
CC-C-050-8-10-20140221	480-55157-10	CHROMIUM, TOTAL	3/4/2014	13.5	Yes	Y		J	J	2.8	0.23	mg/kg
CC-C-051-0-2-20140221	480-55157-12	IRON	3/4/2014	12100	Yes	Y	B	J	J	55.7	1.2	mg/kg
CC-C-051-0-2-20140221	480-55157-12	CHROMIUM, TOTAL	3/4/2014	12.7	Yes	Y		J	J	2.8	0.22	mg/kg
CC-C-051-0-2-20140221	480-55157-12	SILVER	3/4/2014	0.37	Yes	Y	J		J	2.8	0.22	mg/kg
CC-C-051-0-2-20140221	480-55157-12	SELENIUM	3/4/2014		Yes	N	U		U	22.3	0.45	mg/kg
CC-C-051-0-2-20140221	480-55157-12	POTASSIUM	3/4/2014	830	Yes	Y				167	22.3	mg/kg
CC-C-051-0-2-20140221	480-55157-12	NICKEL	3/4/2014	9.6	Yes	Y	J	J	J	27.9	0.26	mg/kg
CC-C-051-0-2-20140221	480-55157-12	MANGANESE	3/4/2014	175	Yes	Y	B	J	J	1.1	0.036	mg/kg
CC-C-051-0-2-20140221	480-55157-12	LEAD	3/4/2014	82.2	Yes	Y		J	J	5.6	0.27	mg/kg
CC-C-051-0-2-20140221	480-55157-12	CALCIUM	3/4/2014	24500	Yes	Y	B	J	J	279	3.7	mg/kg
CC-C-051-0-2-20140221	480-55157-12	COPPER	3/4/2014	50.1	Yes	Y		J	J	5.6	0.23	mg/kg
CC-C-051-0-2-20140221	480-55157-12	MAGNESIUM	3/4/2014	4630	Yes	Y		J	J	111	1.0	mg/kg

SDG: 480551571

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-051-0-2-20140221	480-55157-12	THALLIUM	3/4/2014		Yes	N	U		U	33.4	0.33	mg/kg
CC-C-051-0-2-20140221	480-55157-12	COBALT	3/4/2014	4.3	Yes	Y				2.8	0.056	mg/kg
CC-C-051-0-2-20140221	480-55157-12	ZINC	3/4/2014	84.1	Yes	Y	B	J	J	11.1	0.17	mg/kg
CC-C-051-0-2-20140221	480-55157-12	SODIUM	3/4/2014	160	Yes	Y	J		J	780	14.5	mg/kg
CC-C-051-0-2-20140221	480-55157-12	CADMIUM	3/4/2014	0.41	Yes	Y	J		J	1.1	0.033	mg/kg
CC-C-051-0-2-20140221	480-55157-12	BERYLLIUM	3/4/2014	0.15	Yes	Y	J		J	1.1	0.031	mg/kg
CC-C-051-0-2-20140221	480-55157-12	BARIUM	3/4/2014	48.7	Yes	Y		J	J	2.8	0.12	mg/kg
CC-C-051-0-2-20140221	480-55157-12	ARSENIC	3/4/2014	6.3	Yes	Y	J		J	11.1	0.45	mg/kg
CC-C-051-0-2-20140221	480-55157-12	ALUMINUM	3/4/2014	5850	Yes	Y		J	J	55.7	4.9	mg/kg
CC-C-051-0-2-20140221	480-55157-12	ANTIMONY	3/4/2014	2	Yes	Y	J		J	83.6	0.45	mg/kg
CC-C-051-0-2-20140221	480-55157-12	VANADIUM	3/4/2014	16.7	Yes	Y		J	J	2.8	0.12	mg/kg
CC-C-051-2-4-20140221	480-55157-13	NICKEL	3/4/2014	28.3	Yes	Y	J	J	J	31.0	0.28	mg/kg
CC-C-051-2-4-20140221	480-55157-13	VANADIUM	3/4/2014	17	Yes	Y		J	J	3.1	0.14	mg/kg
CC-C-051-2-4-20140221	480-55157-13	THALLIUM	3/4/2014		Yes	N	U		U	37.2	0.37	mg/kg
CC-C-051-2-4-20140221	480-55157-13	SODIUM	3/4/2014	241	Yes	Y	J		J	867	16.1	mg/kg
CC-C-051-2-4-20140221	480-55157-13	SILVER	3/4/2014	2.7	Yes	Y	J		J	3.1	0.25	mg/kg
CC-C-051-2-4-20140221	480-55157-13	POTASSIUM	3/4/2014	668	Yes	Y				186	24.8	mg/kg
CC-C-051-2-4-20140221	480-55157-13	ZINC	3/4/2014	541	Yes	Y	B	J	J	12.4	0.19	mg/kg
CC-C-051-2-4-20140221	480-55157-13	MANGANESE	3/4/2014	318	Yes	Y	B	J	J	1.2	0.040	mg/kg
CC-C-051-2-4-20140221	480-55157-13	MAGNESIUM	3/4/2014	1600	Yes	Y		J	J	124	1.1	mg/kg
CC-C-051-2-4-20140221	480-55157-13	LEAD	3/4/2014	165	Yes	Y		J	J	6.2	0.30	mg/kg
CC-C-051-2-4-20140221	480-55157-13	IRON	3/4/2014	17800	Yes	Y	B	J	J	61.9	1.4	mg/kg
CC-C-051-2-4-20140221	480-55157-13	BARIUM	3/4/2014	102	Yes	Y		J	J	3.1	0.14	mg/kg
CC-C-051-2-4-20140221	480-55157-13	SELENIUM	3/4/2014	1.1	Yes	Y	J		J	24.8	0.50	mg/kg
CC-C-051-2-4-20140221	480-55157-13	COPPER	3/4/2014	152	Yes	Y		J	J	6.2	0.26	mg/kg

SDG: 480551571

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-051-2-4-20140221	480-55157-13	ARSENIC	3/4/2014	9.2	Yes	Y	J		J	12.4	0.50	mg/kg
CC-C-051-2-4-20140221	480-55157-13	ALUMINUM	3/4/2014	5730	Yes	Y		J	J	61.9	5.4	mg/kg
CC-C-051-2-4-20140221	480-55157-13	BERYLLIUM	3/4/2014	0.19	Yes	Y	J		J	1.2	0.035	mg/kg
CC-C-051-2-4-20140221	480-55157-13	CADMIUM	3/4/2014	1.1	Yes	Y	J		J	1.2	0.037	mg/kg
CC-C-051-2-4-20140221	480-55157-13	CALCIUM	3/4/2014	9210	Yes	Y	B	J	J	310	4.1	mg/kg
CC-C-051-2-4-20140221	480-55157-13	CHROMIUM, TOTAL	3/4/2014	22.3	Yes	Y		J	J	3.1	0.25	mg/kg
CC-C-051-2-4-20140221	480-55157-13	COBALT	3/4/2014	7.6	Yes	Y				3.1	0.062	mg/kg
CC-C-051-2-4-20140221	480-55157-13	ANTIMONY	3/4/2014	3.9	Yes	Y	J		J	92.9	0.50	mg/kg
CC-C-051-8-10-20140221	480-55157-14	CADMIUM	3/4/2014	0.72	Yes	Y	J		J	1.1	0.033	mg/kg
CC-C-051-8-10-20140221	480-55157-14	ANTIMONY	3/4/2014	4	Yes	Y	J		J	82.4	0.44	mg/kg
CC-C-051-8-10-20140221	480-55157-14	BERYLLIUM	3/4/2014	0.19	Yes	Y	J		J	1.1	0.031	mg/kg
CC-C-051-8-10-20140221	480-55157-14	BARIUM	3/4/2014	52.9	Yes	Y		J	J	2.7	0.12	mg/kg
CC-C-051-8-10-20140221	480-55157-14	ARSENIC	3/4/2014	7.7	Yes	Y	J		J	11.0	0.44	mg/kg
CC-C-051-8-10-20140221	480-55157-14	ALUMINUM	3/4/2014	3840	Yes	Y		J	J	54.9	4.8	mg/kg
CC-C-051-8-10-20140221	480-55157-14	SODIUM	3/4/2014	113	Yes	Y	J		J	769	14.3	mg/kg
CC-C-051-8-10-20140221	480-55157-14	THALLIUM	3/4/2014		Yes	N	U		U	32.9	0.33	mg/kg
CC-C-051-8-10-20140221	480-55157-14	SILVER	3/4/2014	1.7	Yes	Y	J		J	2.7	0.22	mg/kg
CC-C-051-8-10-20140221	480-55157-14	CALCIUM	3/4/2014	24800	Yes	Y	B	J	J	275	3.6	mg/kg
CC-C-051-8-10-20140221	480-55157-14	VANADIUM	3/4/2014	13.2	Yes	Y		J	J	2.7	0.12	mg/kg
CC-C-051-8-10-20140221	480-55157-14	CHROMIUM, TOTAL	3/4/2014	14.3	Yes	Y		J	J	2.7	0.22	mg/kg
CC-C-051-8-10-20140221	480-55157-14	COBALT	3/4/2014	4.4	Yes	Y				2.7	0.055	mg/kg
CC-C-051-8-10-20140221	480-55157-14	COPPER	3/4/2014	62	Yes	Y		J	J	5.5	0.23	mg/kg
CC-C-051-8-10-20140221	480-55157-14	IRON	3/4/2014	19300	Yes	Y	B	J	J	54.9	1.2	mg/kg
CC-C-051-8-10-20140221	480-55157-14	LEAD	3/4/2014	84.3	Yes	Y		J	J	5.5	0.26	mg/kg
CC-C-051-8-10-20140221	480-55157-14	MAGNESIUM	3/4/2014	7140	Yes	Y		J	J	110	1.0	mg/kg

SDG: 480551571

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-051-8-10-20140221	480-55157-14	MANGANESE	3/4/2014	176	Yes	Y	B	J	J	1.1	0.035	mg/kg
CC-C-051-8-10-20140221	480-55157-14	NICKEL	3/4/2014	11.9	Yes	Y	J	J	J	27.5	0.25	mg/kg
CC-C-051-8-10-20140221	480-55157-14	ZINC	3/4/2014	126	Yes	Y	B	J	J	11.0	0.17	mg/kg
CC-C-051-8-10-20140221	480-55157-14	SELENIUM	3/4/2014		Yes	N	U		U	22.0	0.44	mg/kg
CC-C-051-8-10-20140221	480-55157-14	POTASSIUM	3/4/2014	488	Yes	Y				165	22.0	mg/kg
CC-C-052-0-2-20140221	480-55157-15	SODIUM	3/4/2014	95.5	Yes	Y	J		J	733	13.6	mg/kg
CC-C-052-0-2-20140221	480-55157-15	VANADIUM	3/4/2014	22.2	Yes	Y		J	J	2.6	0.12	mg/kg
CC-C-052-0-2-20140221	480-55157-15	IRON	3/4/2014	13600	Yes	Y	B	J	J	52.4	1.2	mg/kg
CC-C-052-0-2-20140221	480-55157-15	ANTIMONY	3/4/2014	0.61	Yes	Y	J		J	78.5	0.42	mg/kg
CC-C-052-0-2-20140221	480-55157-15	ARSENIC	3/4/2014	7.4	Yes	Y	J		J	10.5	0.42	mg/kg
CC-C-052-0-2-20140221	480-55157-15	BARIUM	3/4/2014	59.7	Yes	Y		J	J	2.6	0.12	mg/kg
CC-C-052-0-2-20140221	480-55157-15	BERYLLIUM	3/4/2014	0.43	Yes	Y	J		J	1.0	0.029	mg/kg
CC-C-052-0-2-20140221	480-55157-15	CADMIUM	3/4/2014	0.28	Yes	Y	J		J	1.0	0.031	mg/kg
CC-C-052-0-2-20140221	480-55157-15	CALCIUM	3/4/2014	4730	Yes	Y	B	J	J	262	3.5	mg/kg
CC-C-052-0-2-20140221	480-55157-15	CHROMIUM, TOTAL	3/4/2014	16.9	Yes	Y		J	J	2.6	0.21	mg/kg
CC-C-052-0-2-20140221	480-55157-15	ALUMINUM	3/4/2014	7860	Yes	Y		J	J	52.4	4.6	mg/kg
CC-C-052-0-2-20140221	480-55157-15	COPPER	3/4/2014	19.2	Yes	Y		J	J	5.2	0.22	mg/kg
CC-C-052-0-2-20140221	480-55157-15	THALLIUM	3/4/2014		Yes	N	U		U	31.4	0.31	mg/kg
CC-C-052-0-2-20140221	480-55157-15	LEAD	3/4/2014	31.5	Yes	Y		J	J	5.2	0.25	mg/kg
CC-C-052-0-2-20140221	480-55157-15	MAGNESIUM	3/4/2014	2880	Yes	Y		J	J	105	0.97	mg/kg
CC-C-052-0-2-20140221	480-55157-15	MANGANESE	3/4/2014	231	Yes	Y	B	J	J	1.0	0.034	mg/kg
CC-C-052-0-2-20140221	480-55157-15	NICKEL	3/4/2014	12.5	Yes	Y	J	J	J	26.2	0.24	mg/kg
CC-C-052-0-2-20140221	480-55157-15	POTASSIUM	3/4/2014	1470	Yes	Y				157	20.9	mg/kg
CC-C-052-0-2-20140221	480-55157-15	SELENIUM	3/4/2014		Yes	N	U		U	20.9	0.42	mg/kg
CC-C-052-0-2-20140221	480-55157-15	SILVER	3/4/2014		Yes	N	U		U	2.6	0.21	mg/kg

SDG: 480551571

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-052-0-2-20140221	480-55157-15	COBALT	3/4/2014	6.3	Yes	Y				2.6	0.052	mg/kg
CC-C-052-0-2-20140221	480-55157-15	ZINC	3/4/2014	45.3	Yes	Y	B	J	J	10.5	0.16	mg/kg
CC-C-052-2-4-20140221	480-55157-16	MANGANESE	3/4/2014	229	Yes	Y	B	J	J	1.1	0.035	mg/kg
CC-C-052-2-4-20140221	480-55157-16	BARIIUM	3/4/2014	58.1	Yes	Y		J	J	2.7	0.12	mg/kg
CC-C-052-2-4-20140221	480-55157-16	BERYLLIUM	3/4/2014	0.41	Yes	Y	J		J	1.1	0.031	mg/kg
CC-C-052-2-4-20140221	480-55157-16	CADMIUM	3/4/2014	0.2	Yes	Y	J		J	1.1	0.033	mg/kg
CC-C-052-2-4-20140221	480-55157-16	CALCIUM	3/4/2014	2330	Yes	Y	B	J	J	273	3.6	mg/kg
CC-C-052-2-4-20140221	480-55157-16	CHROMIUM, TOTAL	3/4/2014	16	Yes	Y		J	J	2.7	0.22	mg/kg
CC-C-052-2-4-20140221	480-55157-16	COBALT	3/4/2014	5.2	Yes	Y				2.7	0.055	mg/kg
CC-C-052-2-4-20140221	480-55157-16	COPPER	3/4/2014	22.8	Yes	Y		J	J	5.5	0.23	mg/kg
CC-C-052-2-4-20140221	480-55157-16	IRON	3/4/2014	13400	Yes	Y	B	J	J	54.6	1.2	mg/kg
CC-C-052-2-4-20140221	480-55157-16	ZINC	3/4/2014	54.6	Yes	Y	B	J	J	10.9	0.17	mg/kg
CC-C-052-2-4-20140221	480-55157-16	MAGNESIUM	3/4/2014	2270	Yes	Y		J	J	109	1.0	mg/kg
CC-C-052-2-4-20140221	480-55157-16	ARSENIC	3/4/2014	8.8	Yes	Y	J		J	10.9	0.44	mg/kg
CC-C-052-2-4-20140221	480-55157-16	NICKEL	3/4/2014	13.6	Yes	Y	J	J	J	27.3	0.25	mg/kg
CC-C-052-2-4-20140221	480-55157-16	POTASSIUM	3/4/2014	735	Yes	Y				164	21.8	mg/kg
CC-C-052-2-4-20140221	480-55157-16	SELENIUM	3/4/2014		Yes	N	U		U	21.8	0.44	mg/kg
CC-C-052-2-4-20140221	480-55157-16	SILVER	3/4/2014	0.62	Yes	Y	J		J	2.7	0.22	mg/kg
CC-C-052-2-4-20140221	480-55157-16	SODIUM	3/4/2014	101	Yes	Y	J		J	765	14.2	mg/kg
CC-C-052-2-4-20140221	480-55157-16	ANTIMONY	3/4/2014		Yes	N	U		U	81.9	0.44	mg/kg
CC-C-052-2-4-20140221	480-55157-16	ALUMINUM	3/4/2014	9340	Yes	Y		J	J	54.6	4.8	mg/kg
CC-C-052-2-4-20140221	480-55157-16	LEAD	3/4/2014	41.2	Yes	Y		J	J	5.5	0.26	mg/kg
CC-C-052-2-4-20140221	480-55157-16	VANADIUM	3/4/2014	19.8	Yes	Y		J	J	2.7	0.12	mg/kg
CC-C-052-2-4-20140221	480-55157-16	THALLIUM	3/4/2014		Yes	N	U		U	32.8	0.33	mg/kg
CC-C-052-8-10-20140221	480-55157-17	THALLIUM	3/4/2014		Yes	N	U		U	36.6	0.37	mg/kg

SDG: 480551571

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-052-8-10-20140221	480-55157-17	ALUMINUM	3/4/2014	4950	Yes	Y		J	J	61.0	5.4	mg/kg
CC-C-052-8-10-20140221	480-55157-17	VANADIUM	3/4/2014	13	Yes	Y		J	J	3.1	0.13	mg/kg
CC-C-052-8-10-20140221	480-55157-17	SODIUM	3/4/2014	125	Yes	Y	J		J	854	15.9	mg/kg
CC-C-052-8-10-20140221	480-55157-17	SILVER	3/4/2014	0.74	Yes	Y	J		J	3.1	0.24	mg/kg
CC-C-052-8-10-20140221	480-55157-17	SELENIUM	3/4/2014		Yes	N	U		U	24.4	0.49	mg/kg
CC-C-052-8-10-20140221	480-55157-17	POTASSIUM	3/4/2014	472	Yes	Y				183	24.4	mg/kg
CC-C-052-8-10-20140221	480-55157-17	NICKEL	3/4/2014	10	Yes	Y	J	J	J	30.5	0.28	mg/kg
CC-C-052-8-10-20140221	480-55157-17	MANGANESE	3/4/2014	140	Yes	Y	B	J	J	1.2	0.039	mg/kg
CC-C-052-8-10-20140221	480-55157-17	MAGNESIUM	3/4/2014	1760	Yes	Y		J	J	122	1.1	mg/kg
CC-C-052-8-10-20140221	480-55157-17	LEAD	3/4/2014	57.1	Yes	Y		J	J	6.1	0.29	mg/kg
CC-C-052-8-10-20140221	480-55157-17	ANTIMONY	3/4/2014	0.81	Yes	Y	J		J	91.5	0.49	mg/kg
CC-C-052-8-10-20140221	480-55157-17	COPPER	3/4/2014	62.6	Yes	Y		J	J	6.1	0.26	mg/kg
CC-C-052-8-10-20140221	480-55157-17	COBALT	3/4/2014	16.3	Yes	Y				3.1	0.061	mg/kg
CC-C-052-8-10-20140221	480-55157-17	CHROMIUM, TOTAL	3/4/2014	12.3	Yes	Y		J	J	3.1	0.24	mg/kg
CC-C-052-8-10-20140221	480-55157-17	CALCIUM	3/4/2014	37000	Yes	Y	B	J	J	305	4.0	mg/kg
CC-C-052-8-10-20140221	480-55157-17	CADMIUM	3/4/2014	1.4	Yes	Y				1.2	0.037	mg/kg
CC-C-052-8-10-20140221	480-55157-17	BERYLLIUM	3/4/2014	0.15	Yes	Y	J		J	1.2	0.034	mg/kg
CC-C-052-8-10-20140221	480-55157-17	BARIUM	3/4/2014	59.5	Yes	Y		J	J	3.1	0.13	mg/kg
CC-C-052-8-10-20140221	480-55157-17	ARSENIC	3/4/2014	9.6	Yes	Y	J		J	12.2	0.49	mg/kg
CC-C-052-8-10-20140221	480-55157-17	ZINC	3/4/2014	97.2	Yes	Y	B	J	J	12.2	0.19	mg/kg
CC-C-052-8-10-20140221	480-55157-17	IRON	3/4/2014	15300	Yes	Y	B	J	J	61.0	1.3	mg/kg
dup027-20140221	480-55157-11	NICKEL	3/4/2014	9.2	Yes	Y	J	J	J	28.2	0.26	mg/kg
dup027-20140221	480-55157-11	POTASSIUM	3/4/2014	1120	Yes	Y				169	22.6	mg/kg
dup027-20140221	480-55157-11	SELENIUM	3/4/2014		Yes	N	U		U	22.6	0.45	mg/kg
dup027-20140221	480-55157-11	SILVER	3/4/2014	2.3	Yes	Y	J		J	2.8	0.23	mg/kg

SDG: 480551571

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
dup027-20140221	480-55157-11	SODIUM	3/4/2014	440	Yes	Y	J		J	790	14.7	mg/kg
dup027-20140221	480-55157-11	THALLIUM	3/4/2014		Yes	N	U		U	33.9	0.34	mg/kg
dup027-20140221	480-55157-11	MANGANESE	3/4/2014	107	Yes	Y	B	J	J	1.1	0.036	mg/kg
dup027-20140221	480-55157-11	ZINC	3/4/2014	78.5	Yes	Y	B	J	J	11.3	0.17	mg/kg
dup027-20140221	480-55157-11	BERYLLIUM	3/4/2014	0.3	Yes	Y	J		J	1.1	0.032	mg/kg
dup027-20140221	480-55157-11	VANADIUM	3/4/2014	17.2	Yes	Y		J	J	2.8	0.12	mg/kg
dup027-20140221	480-55157-11	LEAD	3/4/2014	53.6	Yes	Y		J	J	5.6	0.27	mg/kg
dup027-20140221	480-55157-11	COPPER	3/4/2014	39.2	Yes	Y		J	J	5.6	0.24	mg/kg
dup027-20140221	480-55157-11	COBALT	3/4/2014	4.2	Yes	Y				2.8	0.056	mg/kg
dup027-20140221	480-55157-11	CHROMIUM, TOTAL	3/4/2014	18	Yes	Y		J	J	2.8	0.23	mg/kg
dup027-20140221	480-55157-11	CADMIUM	3/4/2014	0.72	Yes	Y	J		J	1.1	0.034	mg/kg
dup027-20140221	480-55157-11	BARIUM	3/4/2014	42.2	Yes	Y		J	J	2.8	0.12	mg/kg
dup027-20140221	480-55157-11	ARSENIC	3/4/2014	11.3	Yes	Y				11.3	0.45	mg/kg
dup027-20140221	480-55157-11	ANTIMONY	3/4/2014	1.8	Yes	Y	J		J	84.7	0.45	mg/kg
dup027-20140221	480-55157-11	ALUMINUM	3/4/2014	4760	Yes	Y		J	J	56.4	5.0	mg/kg
dup027-20140221	480-55157-11	IRON	3/4/2014	10900	Yes	Y	B	J	J	56.4	1.2	mg/kg
dup027-20140221	480-55157-11	CALCIUM	3/4/2014	1620	Yes	Y	B	J	J	282	3.7	mg/kg
dup027-20140221	480-55157-11	MAGNESIUM	3/4/2014	1500	Yes	Y		J	J	113	1.0	mg/kg
FB028-20140221	480-55157-32	ALUMINUM	2/27/2014		Yes	N	U		U	0.20	0.060	mg/l
FB028-20140221	480-55157-32	ARSENIC	2/27/2014		Yes	N	U		U	0.010	0.0056	mg/l
FB028-20140221	480-55157-32	BARIUM	2/27/2014		Yes	N	U		U	0.0020	0.00070	mg/l
FB028-20140221	480-55157-32	BERYLLIUM	2/27/2014		Yes	N	U		U	0.0020	0.00030	mg/l
FB028-20140221	480-55157-32	CADMIUM	2/27/2014		Yes	N	U		U	0.0010	0.00050	mg/l
FB028-20140221	480-55157-32	CALCIUM	2/27/2014		Yes	N	U		U	0.50	0.10	mg/l
FB028-20140221	480-55157-32	CHROMIUM, TOTAL	2/27/2014		Yes	N	U		U	0.0040	0.0010	mg/l

SDG: 480551571

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB028-20140221	480-55157-32	COBALT	2/27/2014		Yes	N	U		U	0.0040	0.00063	mg/l
FB028-20140221	480-55157-32	COPPER	2/27/2014	0.002	Yes	Y	J		J	0.010	0.0016	mg/l
FB028-20140221	480-55157-32	IRON	2/27/2014		Yes	N	U		U	0.050	0.019	mg/l
FB028-20140221	480-55157-32	ZINC	2/27/2014	0.0016	Yes	Y	BJ	U	U	0.010	0.0015	mg/l
FB028-20140221	480-55157-32	MAGNESIUM	2/27/2014		Yes	N	U		U	0.20	0.043	mg/l
FB028-20140221	480-55157-32	ANTIMONY	2/27/2014		Yes	N	U		U	0.020	0.0068	mg/l
FB028-20140221	480-55157-32	MANGANESE	2/27/2014		Yes	N	U		U	0.0030	0.00040	mg/l
FB028-20140221	480-55157-32	NICKEL	2/27/2014		Yes	N	U		U	0.010	0.0013	mg/l
FB028-20140221	480-55157-32	POTASSIUM	2/27/2014		Yes	N	U		U	0.50	0.10	mg/l
FB028-20140221	480-55157-32	SELENIUM	2/27/2014		Yes	N	U		U	0.015	0.0087	mg/l
FB028-20140221	480-55157-32	SILVER	2/27/2014		Yes	N	U		U	0.0030	0.0017	mg/l
FB028-20140221	480-55157-32	SODIUM	2/27/2014		Yes	N	U		U	1.0	0.32	mg/l
FB028-20140221	480-55157-32	THALLIUM	2/27/2014		Yes	N	U		U	0.020	0.010	mg/l
FB028-20140221	480-55157-32	VANADIUM	2/27/2014		Yes	N	U		U	0.0050	0.0015	mg/l
FB028-20140221	480-55157-32	LEAD	2/27/2014		Yes	N	U		U	0.0050	0.0030	mg/l
LT-C-053-0-2-20140221	480-55157-24	LEAD	3/4/2014	81.7	Yes	Y		J	J	5.9	0.28	mg/kg
LT-C-053-0-2-20140221	480-55157-24	ALUMINUM	3/4/2014	4720	Yes	Y		J	J	58.8	5.2	mg/kg
LT-C-053-0-2-20140221	480-55157-24	ANTIMONY	3/4/2014	3.5	Yes	Y	J		J	88.1	0.47	mg/kg
LT-C-053-0-2-20140221	480-55157-24	ARSENIC	3/4/2014	16.4	Yes	Y				11.8	0.47	mg/kg
LT-C-053-0-2-20140221	480-55157-24	BARIUM	3/4/2014	38.2	Yes	Y		J	J	2.9	0.13	mg/kg
LT-C-053-0-2-20140221	480-55157-24	BERYLLIUM	3/4/2014	0.25	Yes	Y	J		J	1.2	0.033	mg/kg
LT-C-053-0-2-20140221	480-55157-24	CADMIUM	3/4/2014	2.8	Yes	Y				1.2	0.035	mg/kg
LT-C-053-0-2-20140221	480-55157-24	CALCIUM	3/4/2014	13100	Yes	Y	B			294	3.9	mg/kg
LT-C-053-0-2-20140221	480-55157-24	CHROMIUM, TOTAL	3/4/2014	18.4	Yes	Y				2.9	0.24	mg/kg
LT-C-053-0-2-20140221	480-55157-24	COBALT	3/4/2014	8.1	Yes	Y				2.9	0.059	mg/kg

SDG: 480551571

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-053-0-2-20140221	480-55157-24	ZINC	3/4/2014	81	Yes	Y	B	J	J	11.8	0.18	mg/kg
LT-C-053-0-2-20140221	480-55157-24	IRON	3/4/2014	9940	Yes	Y	B			58.8	1.3	mg/kg
LT-C-053-0-2-20140221	480-55157-24	VANADIUM	3/4/2014	15.3	Yes	Y				2.9	0.13	mg/kg
LT-C-053-0-2-20140221	480-55157-24	MAGNESIUM	3/4/2014	5240	Yes	Y		J	J	118	1.1	mg/kg
LT-C-053-0-2-20140221	480-55157-24	MANGANESE	3/4/2014	126	Yes	Y	B	J	J	1.2	0.038	mg/kg
LT-C-053-0-2-20140221	480-55157-24	NICKEL	3/4/2014	13.8	Yes	Y	J		J	29.4	0.27	mg/kg
LT-C-053-0-2-20140221	480-55157-24	POTASSIUM	3/4/2014	929	Yes	Y		J	J	176	23.5	mg/kg
LT-C-053-0-2-20140221	480-55157-24	SELENIUM	3/4/2014	1.7	Yes	Y	J		J	23.5	0.47	mg/kg
LT-C-053-0-2-20140221	480-55157-24	SILVER	3/4/2014	12.1	Yes	Y				2.9	0.24	mg/kg
LT-C-053-0-2-20140221	480-55157-24	SODIUM	3/4/2014	1000	Yes	Y				823	15.3	mg/kg
LT-C-053-0-2-20140221	480-55157-24	THALLIUM	3/4/2014		Yes	N	U		U	35.3	0.35	mg/kg
LT-C-053-0-2-20140221	480-55157-24	COPPER	3/4/2014	94.6	Yes	Y				5.9	0.25	mg/kg
LT-C-053-4-6-20140221	480-55157-25	MANGANESE	3/4/2014	102	Yes	Y	B	J	J	1.3	0.041	mg/kg
LT-C-053-4-6-20140221	480-55157-25	CHROMIUM, TOTAL	3/4/2014	11.7	Yes	Y				3.2	0.26	mg/kg
LT-C-053-4-6-20140221	480-55157-25	ALUMINIUM	3/4/2014	3540	Yes	Y		J	J	64.8	5.7	mg/kg
LT-C-053-4-6-20140221	480-55157-25	ANTIMONY	3/4/2014		Yes	N	U		U	97.3	0.52	mg/kg
LT-C-053-4-6-20140221	480-55157-25	ARSENIC	3/4/2014	3.9	Yes	Y	J		J	13.0	0.52	mg/kg
LT-C-053-4-6-20140221	480-55157-25	BARIUM	3/4/2014	23.8	Yes	Y		J	J	3.2	0.14	mg/kg
LT-C-053-4-6-20140221	480-55157-25	BERYLLIUM	3/4/2014	0.16	Yes	Y	J		J	1.3	0.036	mg/kg
LT-C-053-4-6-20140221	480-55157-25	POTASSIUM	3/4/2014	821	Yes	Y		J	J	195	25.9	mg/kg
LT-C-053-4-6-20140221	480-55157-25	CALCIUM	3/4/2014	878	Yes	Y	B			324	4.3	mg/kg
LT-C-053-4-6-20140221	480-55157-25	ZINC	3/4/2014	40.9	Yes	Y	B	J	J	13.0	0.20	mg/kg
LT-C-053-4-6-20140221	480-55157-25	COBALT	3/4/2014	2.7	Yes	Y	J		J	3.2	0.065	mg/kg
LT-C-053-4-6-20140221	480-55157-25	COPPER	3/4/2014	16.9	Yes	Y				6.5	0.27	mg/kg
LT-C-053-4-6-20140221	480-55157-25	THALLIUM	3/4/2014		Yes	N	U		U	38.9	0.39	mg/kg

SDG: 480551571

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-053-4-6-20140221	480-55157-25	CADMIUM	3/4/2014	0.22	Yes	Y	J		J	1.3	0.039	mg/kg
LT-C-053-4-6-20140221	480-55157-25	VANADIUM	3/4/2014	11.8	Yes	Y				3.2	0.14	mg/kg
LT-C-053-4-6-20140221	480-55157-25	IRON	3/4/2014	8350	Yes	Y	B			64.8	1.4	mg/kg
LT-C-053-4-6-20140221	480-55157-25	SODIUM	3/4/2014	186	Yes	Y	J		J	908	16.9	mg/kg
LT-C-053-4-6-20140221	480-55157-25	SILVER	3/4/2014	0.87	Yes	Y	J		J	3.2	0.26	mg/kg
LT-C-053-4-6-20140221	480-55157-25	SELENIUM	3/4/2014		Yes	N	U		U	25.9	0.52	mg/kg
LT-C-053-4-6-20140221	480-55157-25	NICKEL	3/4/2014	6.2	Yes	Y	J		J	32.4	0.30	mg/kg
LT-C-053-4-6-20140221	480-55157-25	MAGNESIUM	3/4/2014	1280	Yes	Y		J	J	130	1.2	mg/kg
LT-C-053-4-6-20140221	480-55157-25	LEAD	3/4/2014	35.4	Yes	Y		J	J	6.5	0.31	mg/kg
LT-C-053-6-8-20140221	480-55157-26	COPPER	3/4/2014	4	Yes	Y	J		J	5.4	0.23	mg/kg
LT-C-053-6-8-20140221	480-55157-26	IRON	3/4/2014	6800	Yes	Y	B			53.9	1.2	mg/kg
LT-C-053-6-8-20140221	480-55157-26	ANTIMONY	3/4/2014		Yes	N	U		U	80.9	0.43	mg/kg
LT-C-053-6-8-20140221	480-55157-26	ARSENIC	3/4/2014	3.2	Yes	Y	J		J	10.8	0.43	mg/kg
LT-C-053-6-8-20140221	480-55157-26	BARIUM	3/4/2014	39.2	Yes	Y		J	J	2.7	0.12	mg/kg
LT-C-053-6-8-20140221	480-55157-26	BERYLLIUM	3/4/2014	0.14	Yes	Y	J		J	1.1	0.030	mg/kg
LT-C-053-6-8-20140221	480-55157-26	CADMIUM	3/4/2014	0.096	Yes	Y	J		J	1.1	0.032	mg/kg
LT-C-053-6-8-20140221	480-55157-26	CALCIUM	3/4/2014	940	Yes	Y	B			270	3.6	mg/kg
LT-C-053-6-8-20140221	480-55157-26	CHROMIUM, TOTAL	3/4/2014	9.7	Yes	Y				2.7	0.22	mg/kg
LT-C-053-6-8-20140221	480-55157-26	ALUMINUM	3/4/2014	3010	Yes	Y		J	J	53.9	4.7	mg/kg
LT-C-053-6-8-20140221	480-55157-26	THALLIUM	3/4/2014		Yes	N	U		U	32.3	0.32	mg/kg
LT-C-053-6-8-20140221	480-55157-26	VANADIUM	3/4/2014	10.7	Yes	Y				2.7	0.12	mg/kg
LT-C-053-6-8-20140221	480-55157-26	SODIUM	3/4/2014	189	Yes	Y	J		J	755	14.0	mg/kg
LT-C-053-6-8-20140221	480-55157-26	SILVER	3/4/2014		Yes	N	U		U	2.7	0.22	mg/kg
LT-C-053-6-8-20140221	480-55157-26	SELENIUM	3/4/2014		Yes	N	U		U	21.6	0.43	mg/kg
LT-C-053-6-8-20140221	480-55157-26	POTASSIUM	3/4/2014	221	Yes	Y		J	J	162	21.6	mg/kg

SDG: 480551571

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-053-6-8-20140221	480-55157-26	MANGANESE	3/4/2014	120	Yes	Y	B	J	J	1.1	0.034	mg/kg
LT-C-053-6-8-20140221	480-55157-26	MAGNESIUM	3/4/2014	951	Yes	Y		J	J	108	1.0	mg/kg
LT-C-053-6-8-20140221	480-55157-26	COBALT	3/4/2014	4.9	Yes	Y				2.7	0.054	mg/kg
LT-C-053-6-8-20140221	480-55157-26	LEAD	3/4/2014	9.1	Yes	Y		J	J	5.4	0.26	mg/kg
LT-C-053-6-8-20140221	480-55157-26	NICKEL	3/4/2014	7.5	Yes	Y	J		J	27.0	0.25	mg/kg
LT-C-053-6-8-20140221	480-55157-26	ZINC	3/4/2014	11.6	Yes	Y	B	J	J	10.8	0.16	mg/kg
LT-C-054-0-2-20140221	480-55157-27	ZINC	3/4/2014	25	Yes	Y	B	J	J	11.9	0.18	mg/kg
LT-C-054-0-2-20140221	480-55157-27	MANGANESE	3/4/2014	177	Yes	Y	B	J	J	1.2	0.038	mg/kg
LT-C-054-0-2-20140221	480-55157-27	NICKEL	3/4/2014	18.3	Yes	Y	J		J	29.9	0.27	mg/kg
LT-C-054-0-2-20140221	480-55157-27	POTASSIUM	3/4/2014	483	Yes	Y		J	J	179	23.9	mg/kg
LT-C-054-0-2-20140221	480-55157-27	SELENIUM	3/4/2014	2.1	Yes	Y	J		J	23.9	0.48	mg/kg
LT-C-054-0-2-20140221	480-55157-27	SILVER	3/4/2014	2.7	Yes	Y	J		J	3.0	0.24	mg/kg
LT-C-054-0-2-20140221	480-55157-27	SODIUM	3/4/2014	633	Yes	Y	J		J	836	15.5	mg/kg
LT-C-054-0-2-20140221	480-55157-27	VANADIUM	3/4/2014	8.8	Yes	Y				3.0	0.13	mg/kg
LT-C-054-0-2-20140221	480-55157-27	MAGNESIUM	3/4/2014	51000	Yes	Y		J	J	119	1.1	mg/kg
LT-C-054-0-2-20140221	480-55157-27	COPPER	3/4/2014	35.4	Yes	Y				6.0	0.25	mg/kg
LT-C-054-0-2-20140221	480-55157-27	THALLIUM	3/4/2014		Yes	N	U		U	35.8	0.36	mg/kg
LT-C-054-0-2-20140221	480-55157-27	ANTIMONY	3/4/2014	1.7	Yes	Y	J		J	89.6	0.48	mg/kg
LT-C-054-0-2-20140221	480-55157-27	LEAD	3/4/2014	23.8	Yes	Y		J	J	6.0	0.29	mg/kg
LT-C-054-0-2-20140221	480-55157-27	ALUMINUM	3/4/2014	3520	Yes	Y		J	J	59.7	5.3	mg/kg
LT-C-054-0-2-20140221	480-55157-27	IRON	3/4/2014	5970	Yes	Y	B			59.7	1.3	mg/kg
LT-C-054-0-2-20140221	480-55157-27	ARSENIC	3/4/2014	10.6	Yes	Y	J		J	11.9	0.48	mg/kg
LT-C-054-0-2-20140221	480-55157-27	BARIUM	3/4/2014	23.7	Yes	Y		J	J	3.0	0.13	mg/kg
LT-C-054-0-2-20140221	480-55157-27	BERYLLIUM	3/4/2014	0.18	Yes	Y	J		J	1.2	0.033	mg/kg
LT-C-054-0-2-20140221	480-55157-27	CALCIUM	3/4/2014	88200	Yes	Y	B			299	3.9	mg/kg

SDG: 480551571

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-054-0-2-20140221	480-55157-27	CHROMIUM, TOTAL	3/4/2014	8.7	Yes	Y				3.0	0.24	mg/kg
LT-C-054-0-2-20140221	480-55157-27	COBALT	3/4/2014	10.1	Yes	Y				3.0	0.060	mg/kg
LT-C-054-0-2-20140221	480-55157-27	CADMIUM	3/4/2014	0.8	Yes	Y	J		J	1.2	0.036	mg/kg
LT-C-054-2-4-20140221	480-55157-28	SODIUM	3/4/2014	142	Yes	Y	J		J	797	14.8	mg/kg
LT-C-054-2-4-20140221	480-55157-28	MAGNESIUM	3/4/2014	1510	Yes	Y		J	J	114	1.1	mg/kg
LT-C-054-2-4-20140221	480-55157-28	MANGANESE	3/4/2014	154	Yes	Y	B	J	J	1.1	0.036	mg/kg
LT-C-054-2-4-20140221	480-55157-28	NICKEL	3/4/2014	10.8	Yes	Y	J		J	28.5	0.26	mg/kg
LT-C-054-2-4-20140221	480-55157-28	POTASSIUM	3/4/2014	875	Yes	Y		J	J	171	22.8	mg/kg
LT-C-054-2-4-20140221	480-55157-28	ZINC	3/4/2014	18.6	Yes	Y	B	J	J	11.4	0.17	mg/kg
LT-C-054-2-4-20140221	480-55157-28	VANADIUM	3/4/2014	9.9	Yes	Y				2.8	0.13	mg/kg
LT-C-054-2-4-20140221	480-55157-28	SILVER	3/4/2014		Yes	N	U		U	2.8	0.23	mg/kg
LT-C-054-2-4-20140221	480-55157-28	THALLIUM	3/4/2014		Yes	N	U		U	34.1	0.34	mg/kg
LT-C-054-2-4-20140221	480-55157-28	LEAD	3/4/2014	4.2	Yes	Y	J	J	J	5.7	0.27	mg/kg
LT-C-054-2-4-20140221	480-55157-28	BARIUM	3/4/2014	34.5	Yes	Y		J	J	2.8	0.13	mg/kg
LT-C-054-2-4-20140221	480-55157-28	SELENIUM	3/4/2014	0.5	Yes	Y	J		J	22.8	0.46	mg/kg
LT-C-054-2-4-20140221	480-55157-28	ALUMINUM	3/4/2014	4110	Yes	Y		J	J	56.9	5.0	mg/kg
LT-C-054-2-4-20140221	480-55157-28	COPPER	3/4/2014	9.1	Yes	Y				5.7	0.24	mg/kg
LT-C-054-2-4-20140221	480-55157-28	COBALT	3/4/2014	3.6	Yes	Y				2.8	0.057	mg/kg
LT-C-054-2-4-20140221	480-55157-28	CHROMIUM, TOTAL	3/4/2014	15.4	Yes	Y				2.8	0.23	mg/kg
LT-C-054-2-4-20140221	480-55157-28	CALCIUM	3/4/2014	730	Yes	Y	B			285	3.8	mg/kg
LT-C-054-2-4-20140221	480-55157-28	BERYLLIUM	3/4/2014	0.24	Yes	Y	J		J	1.1	0.032	mg/kg
LT-C-054-2-4-20140221	480-55157-28	ARSENIC	3/4/2014	3.7	Yes	Y	J		J	11.4	0.46	mg/kg
LT-C-054-2-4-20140221	480-55157-28	ANTIMONY	3/4/2014		Yes	N	U		U	85.4	0.46	mg/kg
LT-C-054-2-4-20140221	480-55157-28	CADMIUM	3/4/2014	0.082	Yes	Y	J		J	1.1	0.034	mg/kg
LT-C-054-2-4-20140221	480-55157-28	IRON	3/4/2014	9870	Yes	Y	B			56.9	1.3	mg/kg

SDG: 480551571

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-057-0-2-20140221	480-55157-29	LEAD	3/4/2014	6.2	Yes	Y		J	J	5.2	0.25	mg/kg
LT-C-057-0-2-20140221	480-55157-29	IRON	3/4/2014	5190	Yes	Y	B			51.9	1.1	mg/kg
LT-C-057-0-2-20140221	480-55157-29	COPPER	3/4/2014	10.7	Yes	Y				5.2	0.22	mg/kg
LT-C-057-0-2-20140221	480-55157-29	COBALT	3/4/2014	3.1	Yes	Y				2.6	0.052	mg/kg
LT-C-057-0-2-20140221	480-55157-29	CHROMIUM, TOTAL	3/4/2014	8.8	Yes	Y				2.6	0.21	mg/kg
LT-C-057-0-2-20140221	480-55157-29	CALCIUM	3/4/2014	853	Yes	Y	B			260	3.4	mg/kg
LT-C-057-0-2-20140221	480-55157-29	MAGNESIUM	3/4/2014	927	Yes	Y		J	J	104	0.96	mg/kg
LT-C-057-0-2-20140221	480-55157-29	BERYLLIUM	3/4/2014	0.2	Yes	Y	J		J	1.0	0.029	mg/kg
LT-C-057-0-2-20140221	480-55157-29	THALLIUM	3/4/2014		Yes	N	U		U	31.1	0.31	mg/kg
LT-C-057-0-2-20140221	480-55157-29	BARIUM	3/4/2014	20.7	Yes	Y		J	J	2.6	0.11	mg/kg
LT-C-057-0-2-20140221	480-55157-29	CADMIUM	3/4/2014	0.14	Yes	Y	J		J	1.0	0.031	mg/kg
LT-C-057-0-2-20140221	480-55157-29	MANGANESE	3/4/2014	50	Yes	Y	B	J	J	1.0	0.033	mg/kg
LT-C-057-0-2-20140221	480-55157-29	NICKEL	3/4/2014	9.4	Yes	Y	J		J	26.0	0.24	mg/kg
LT-C-057-0-2-20140221	480-55157-29	POTASSIUM	3/4/2014	488	Yes	Y		J	J	156	20.8	mg/kg
LT-C-057-0-2-20140221	480-55157-29	SELENIUM	3/4/2014		Yes	N	U		U	20.8	0.42	mg/kg
LT-C-057-0-2-20140221	480-55157-29	SODIUM	3/4/2014	103	Yes	Y	J		J	727	13.5	mg/kg
LT-C-057-0-2-20140221	480-55157-29	VANADIUM	3/4/2014	7.3	Yes	Y				2.6	0.11	mg/kg
LT-C-057-0-2-20140221	480-55157-29	ZINC	3/4/2014	14.2	Yes	Y	B	J	J	10.4	0.16	mg/kg
LT-C-057-0-2-20140221	480-55157-29	ANTIMONY	3/4/2014		Yes	N	U		U	77.9	0.42	mg/kg
LT-C-057-0-2-20140221	480-55157-29	ALUMINUM	3/4/2014	2900	Yes	Y		J	J	51.9	4.6	mg/kg
LT-C-057-0-2-20140221	480-55157-29	ARSENIC	3/4/2014	4.7	Yes	Y	J		J	10.4	0.42	mg/kg
LT-C-057-0-2-20140221	480-55157-29	SILVER	3/4/2014		Yes	N	U		U	2.6	0.21	mg/kg
LT-C-057-2-4-20140221	480-55157-30	IRON	3/4/2014	4840	Yes	Y	B			61.2	1.3	mg/kg
LT-C-057-2-4-20140221	480-55157-30	COBALT	3/4/2014	1.5	Yes	Y	J		J	3.1	0.061	mg/kg
LT-C-057-2-4-20140221	480-55157-30	MAGNESIUM	3/4/2014	276	Yes	Y		J	J	122	1.1	mg/kg

SDG: 480551571

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-057-2-4-20140221	480-55157-30	SODIUM	3/4/2014	64	Yes	Y	J		J	857	15.9	mg/kg
LT-C-057-2-4-20140221	480-55157-30	SILVER	3/4/2014		Yes	N	U		U	3.1	0.24	mg/kg
LT-C-057-2-4-20140221	480-55157-30	SELENIUM	3/4/2014		Yes	N	U		U	24.5	0.49	mg/kg
LT-C-057-2-4-20140221	480-55157-30	POTASSIUM	3/4/2014	236	Yes	Y		J	J	184	24.5	mg/kg
LT-C-057-2-4-20140221	480-55157-30	NICKEL	3/4/2014	3.2	Yes	Y	J		J	30.6	0.28	mg/kg
LT-C-057-2-4-20140221	480-55157-30	MANGANESE	3/4/2014	30.8	Yes	Y	B	J	J	1.2	0.039	mg/kg
LT-C-057-2-4-20140221	480-55157-30	VANADIUM	3/4/2014	3.1	Yes	Y				3.1	0.13	mg/kg
LT-C-057-2-4-20140221	480-55157-30	COPPER	3/4/2014	2.6	Yes	Y	J		J	6.1	0.26	mg/kg
LT-C-057-2-4-20140221	480-55157-30	ZINC	3/4/2014	15.1	Yes	Y	B	J	J	12.2	0.19	mg/kg
LT-C-057-2-4-20140221	480-55157-30	CHROMIUM, TOTAL	3/4/2014	5.4	Yes	Y				3.1	0.24	mg/kg
LT-C-057-2-4-20140221	480-55157-30	CALCIUM	3/4/2014	231	Yes	Y	BJ	U	U	306	4.0	mg/kg
LT-C-057-2-4-20140221	480-55157-30	CADMIUM	3/4/2014	0.039	Yes	Y	J		J	1.2	0.037	mg/kg
LT-C-057-2-4-20140221	480-55157-30	BERYLLIUM	3/4/2014	0.066	Yes	Y	J		J	1.2	0.034	mg/kg
LT-C-057-2-4-20140221	480-55157-30	BARIUM	3/4/2014	8.2	Yes	Y		J	J	3.1	0.13	mg/kg
LT-C-057-2-4-20140221	480-55157-30	ARSENIC	3/4/2014	2.7	Yes	Y	J		J	12.2	0.49	mg/kg
LT-C-057-2-4-20140221	480-55157-30	ANTIMONY	3/4/2014		Yes	N	U		U	91.8	0.49	mg/kg
LT-C-057-2-4-20140221	480-55157-30	ALUMINUM	3/4/2014	1060	Yes	Y		J	J	61.2	5.4	mg/kg
LT-C-057-2-4-20140221	480-55157-30	LEAD	3/4/2014	10	Yes	Y		J	J	6.1	0.29	mg/kg
LT-C-057-2-4-20140221	480-55157-30	THALLIUM	3/4/2014		Yes	N	U		U	36.7	0.37	mg/kg
LT-C-057-6-8-20140221	480-55157-31	VANADIUM	3/4/2014	2.5	Yes	Y	J		J	2.9	0.13	mg/kg
LT-C-057-6-8-20140221	480-55157-31	BARIUM	3/4/2014	4.9	Yes	Y		J	J	2.9	0.13	mg/kg
LT-C-057-6-8-20140221	480-55157-31	BERYLLIUM	3/4/2014	0.036	Yes	Y	J		J	1.1	0.032	mg/kg
LT-C-057-6-8-20140221	480-55157-31	CADMIUM	3/4/2014	0.052	Yes	Y	J		J	1.1	0.034	mg/kg
LT-C-057-6-8-20140221	480-55157-31	CALCIUM	3/4/2014	253	Yes	Y	BJ	U	U	287	3.8	mg/kg
LT-C-057-6-8-20140221	480-55157-31	CHROMIUM, TOTAL	3/4/2014	4.4	Yes	Y				2.9	0.23	mg/kg

SDG: 480551571

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-057-6-8-20140221	480-55157-31	COBALT	3/4/2014	0.65	Yes	Y	J		J	2.9	0.057	mg/kg
LT-C-057-6-8-20140221	480-55157-31	COPPER	3/4/2014	2.9	Yes	Y	J		J	5.7	0.24	mg/kg
LT-C-057-6-8-20140221	480-55157-31	IRON	3/4/2014	2240	Yes	Y	B			57.4	1.3	mg/kg
LT-C-057-6-8-20140221	480-55157-31	MAGNESIUM	3/4/2014	272	Yes	Y		J	J	115	1.1	mg/kg
LT-C-057-6-8-20140221	480-55157-31	ARSENIC	3/4/2014	0.93	Yes	Y	J		J	11.5	0.46	mg/kg
LT-C-057-6-8-20140221	480-55157-31	MANGANESE	3/4/2014	30.8	Yes	Y	B	J	J	1.1	0.037	mg/kg
LT-C-057-6-8-20140221	480-55157-31	NICKEL	3/4/2014	2.2	Yes	Y	J		J	28.7	0.26	mg/kg
LT-C-057-6-8-20140221	480-55157-31	POTASSIUM	3/4/2014	250	Yes	Y		J	J	172	23.0	mg/kg
LT-C-057-6-8-20140221	480-55157-31	SELENIUM	3/4/2014		Yes	N	U		U	23.0	0.46	mg/kg
LT-C-057-6-8-20140221	480-55157-31	ANTIMONY	3/4/2014		Yes	N	U		U	86.1	0.46	mg/kg
LT-C-057-6-8-20140221	480-55157-31	SILVER	3/4/2014		Yes	N	U		U	2.9	0.23	mg/kg
LT-C-057-6-8-20140221	480-55157-31	ALUMINUM	3/4/2014	817	Yes	Y		J	J	57.4	5.0	mg/kg
LT-C-057-6-8-20140221	480-55157-31	THALLIUM	3/4/2014		Yes	N	U		U	34.4	0.34	mg/kg
LT-C-057-6-8-20140221	480-55157-31	ZINC	3/4/2014	11	Yes	Y	BJ	J	J	11.5	0.18	mg/kg
LT-C-057-6-8-20140221	480-55157-31	LEAD	3/4/2014	7.1	Yes	Y		J	J	5.7	0.28	mg/kg
LT-C-057-6-8-20140221	480-55157-31	SODIUM	3/4/2014	95.8	Yes	Y	J		J	803	14.9	mg/kg
LT-G-026-0-2-20140221	480-55157-18	NICKEL	3/4/2014	2.6	Yes	Y	J	J	J	33.8	0.31	mg/kg
LT-G-026-0-2-20140221	480-55157-18	BARIUM	3/4/2014	18.3	Yes	Y		J	J	3.4	0.15	mg/kg
LT-G-026-0-2-20140221	480-55157-18	BERYLLIUM	3/4/2014	0.057	Yes	Y	J		J	1.4	0.038	mg/kg
LT-G-026-0-2-20140221	480-55157-18	CADMIUM	3/4/2014	0.062	Yes	Y	J		J	1.4	0.041	mg/kg
LT-G-026-0-2-20140221	480-55157-18	CALCIUM	3/4/2014	1120	Yes	Y	B	J	J	338	4.5	mg/kg
LT-G-026-0-2-20140221	480-55157-18	CHROMIUM, TOTAL	3/4/2014	5.2	Yes	Y		J	J	3.4	0.27	mg/kg
LT-G-026-0-2-20140221	480-55157-18	COBALT	3/4/2014	1.1	Yes	Y	J		J	3.4	0.068	mg/kg
LT-G-026-0-2-20140221	480-55157-18	ALUMINUM	3/4/2014	2080	Yes	Y		J	J	67.7	6.0	mg/kg
LT-G-026-0-2-20140221	480-55157-18	COPPER	3/4/2014	8.2	Yes	Y		J	J	6.8	0.28	mg/kg

SDG: 480551571

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-026-0-2-20140221	480-55157-18	ARSENIC	3/4/2014	2.1	Yes	Y	J		J	13.5	0.54	mg/kg
LT-G-026-0-2-20140221	480-55157-18	LEAD	3/4/2014	35.5	Yes	Y		J	J	6.8	0.32	mg/kg
LT-G-026-0-2-20140221	480-55157-18	ANTIMONY	3/4/2014		Yes	N	U		U	101	0.54	mg/kg
LT-G-026-0-2-20140221	480-55157-18	MAGNESIUM	3/4/2014	719	Yes	Y		J	J	135	1.3	mg/kg
LT-G-026-0-2-20140221	480-55157-18	MANGANESE	3/4/2014	49	Yes	Y	B	J	J	1.4	0.043	mg/kg
LT-G-026-0-2-20140221	480-55157-18	ZINC	3/4/2014	8.5	Yes	Y	BJ	J	J	13.5	0.21	mg/kg
LT-G-026-0-2-20140221	480-55157-18	VANADIUM	3/4/2014	5.2	Yes	Y		J	J	3.4	0.15	mg/kg
LT-G-026-0-2-20140221	480-55157-18	THALLIUM	3/4/2014		Yes	N	U		U	40.6	0.41	mg/kg
LT-G-026-0-2-20140221	480-55157-18	SODIUM	3/4/2014	479	Yes	Y	J		J	947	17.6	mg/kg
LT-G-026-0-2-20140221	480-55157-18	SILVER	3/4/2014		Yes	N	U		U	3.4	0.27	mg/kg
LT-G-026-0-2-20140221	480-55157-18	SELENIUM	3/4/2014		Yes	N	U		U	27.1	0.54	mg/kg
LT-G-026-0-2-20140221	480-55157-18	POTASSIUM	3/4/2014	551	Yes	Y				203	27.1	mg/kg
LT-G-026-0-2-20140221	480-55157-18	IRON	3/4/2014	3420	Yes	Y	B	J	J	67.7	1.5	mg/kg
LT-G-026-4-6-20140221	480-55157-19	IRON	3/4/2014	9210	Yes	Y	B	J	J	58.0	1.3	mg/kg
LT-G-026-4-6-20140221	480-55157-19	ZINC	3/4/2014	14.3	Yes	Y	B	J	J	11.6	0.18	mg/kg
LT-G-026-4-6-20140221	480-55157-19	VANADIUM	3/4/2014	15.3	Yes	Y		J	J	2.9	0.13	mg/kg
LT-G-026-4-6-20140221	480-55157-19	THALLIUM	3/4/2014		Yes	N	U		U	34.8	0.35	mg/kg
LT-G-026-4-6-20140221	480-55157-19	SODIUM	3/4/2014	53.2	Yes	Y	J		J	813	15.1	mg/kg
LT-G-026-4-6-20140221	480-55157-19	SILVER	3/4/2014		Yes	N	U		U	2.9	0.23	mg/kg
LT-G-026-4-6-20140221	480-55157-19	SELENIUM	3/4/2014		Yes	N	U		U	23.2	0.46	mg/kg
LT-G-026-4-6-20140221	480-55157-19	POTASSIUM	3/4/2014	573	Yes	Y				174	23.2	mg/kg
LT-G-026-4-6-20140221	480-55157-19	NICKEL	3/4/2014	5.9	Yes	Y	J	J	J	29.0	0.27	mg/kg
LT-G-026-4-6-20140221	480-55157-19	MANGANESE	3/4/2014	99.2	Yes	Y	B	J	J	1.2	0.037	mg/kg
LT-G-026-4-6-20140221	480-55157-19	ALUMINUM	3/4/2014	5800	Yes	Y		J	J	58.0	5.1	mg/kg
LT-G-026-4-6-20140221	480-55157-19	LEAD	3/4/2014	4.7	Yes	Y	J	J	J	5.8	0.28	mg/kg

SDG: 480551571

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-026-4-6-20140221	480-55157-19	COPPER	3/4/2014	5.1	Yes	Y	J	J	J	5.8	0.24	mg/kg
LT-G-026-4-6-20140221	480-55157-19	COBALT	3/4/2014	4.3	Yes	Y				2.9	0.058	mg/kg
LT-G-026-4-6-20140221	480-55157-19	CHROMIUM, TOTAL	3/4/2014	13.1	Yes	Y		J	J	2.9	0.23	mg/kg
LT-G-026-4-6-20140221	480-55157-19	CALCIUM	3/4/2014	758	Yes	Y	B	J	J	290	3.8	mg/kg
LT-G-026-4-6-20140221	480-55157-19	CADMIUM	3/4/2014	0.055	Yes	Y	J		J	1.2	0.035	mg/kg
LT-G-026-4-6-20140221	480-55157-19	BERYLLIUM	3/4/2014	0.24	Yes	Y	J		J	1.2	0.033	mg/kg
LT-G-026-4-6-20140221	480-55157-19	BARIUM	3/4/2014	30.3	Yes	Y		J	J	2.9	0.13	mg/kg
LT-G-026-4-6-20140221	480-55157-19	ARSENIC	3/4/2014	2.1	Yes	Y	J		J	11.6	0.46	mg/kg
LT-G-026-4-6-20140221	480-55157-19	ANTIMONY	3/4/2014		Yes	N	U		U	87.1	0.46	mg/kg
LT-G-026-4-6-20140221	480-55157-19	MAGNESIUM	3/4/2014	1330	Yes	Y		J	J	116	1.1	mg/kg
LT-G-026-6-8-20140221	480-55157-20	CALCIUM	3/4/2014	696	Yes	Y	B	J	J	267	3.5	mg/kg
LT-G-026-6-8-20140221	480-55157-20	POTASSIUM	3/4/2014	1600	Yes	Y				160	21.3	mg/kg
LT-G-026-6-8-20140221	480-55157-20	MANGANESE	3/4/2014	200	Yes	Y	B	J	J	1.1	0.034	mg/kg
LT-G-026-6-8-20140221	480-55157-20	LEAD	3/4/2014	4.7	Yes	Y	J	J	J	5.3	0.26	mg/kg
LT-G-026-6-8-20140221	480-55157-20	IRON	3/4/2014	19700	Yes	Y	B	J	J	53.3	1.2	mg/kg
LT-G-026-6-8-20140221	480-55157-20	COPPER	3/4/2014	10.9	Yes	Y		J	J	5.3	0.22	mg/kg
LT-G-026-6-8-20140221	480-55157-20	CHROMIUM, TOTAL	3/4/2014	17.1	Yes	Y		J	J	2.7	0.21	mg/kg
LT-G-026-6-8-20140221	480-55157-20	NICKEL	3/4/2014	12.2	Yes	Y	J	J	J	26.7	0.25	mg/kg
LT-G-026-6-8-20140221	480-55157-20	CADMIUM	3/4/2014	0.08	Yes	Y	J		J	1.1	0.032	mg/kg
LT-G-026-6-8-20140221	480-55157-20	BERYLLIUM	3/4/2014	0.28	Yes	Y	J		J	1.1	0.030	mg/kg
LT-G-026-6-8-20140221	480-55157-20	BARIUM	3/4/2014	60.4	Yes	Y		J	J	2.7	0.12	mg/kg
LT-G-026-6-8-20140221	480-55157-20	ARSENIC	3/4/2014	4.5	Yes	Y	J		J	10.7	0.43	mg/kg
LT-G-026-6-8-20140221	480-55157-20	ANTIMONY	3/4/2014		Yes	N	U		U	80.0	0.43	mg/kg
LT-G-026-6-8-20140221	480-55157-20	ALUMINUM	3/4/2014	8210	Yes	Y		J	J	53.3	4.7	mg/kg
LT-G-026-6-8-20140221	480-55157-20	COBALT	3/4/2014	5.2	Yes	Y				2.7	0.053	mg/kg

SDG: 480551571

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-026-6-8-20140221	480-55157-20	VANADIUM	3/4/2014	20.2	Yes	Y		J	J	2.7	0.12	mg/kg
LT-G-026-6-8-20140221	480-55157-20	SELENIUM	3/4/2014		Yes	N	U		U	21.3	0.43	mg/kg
LT-G-026-6-8-20140221	480-55157-20	SILVER	3/4/2014		Yes	N	U		U	2.7	0.21	mg/kg
LT-G-026-6-8-20140221	480-55157-20	SODIUM	3/4/2014	65.6	Yes	Y	J		J	746	13.9	mg/kg
LT-G-026-6-8-20140221	480-55157-20	THALLIUM	3/4/2014		Yes	N	U		U	32.0	0.32	mg/kg
LT-G-026-6-8-20140221	480-55157-20	MAGNESIUM	3/4/2014	2900	Yes	Y		J	J	107	0.99	mg/kg
LT-G-026-6-8-20140221	480-55157-20	ZINC	3/4/2014	30.9	Yes	Y	B	J	J	10.7	0.16	mg/kg
LT-G-027-0-2-20140221	480-55157-21	ZINC	3/4/2014	45.9	Yes	Y	B	J	J	11.0	0.17	mg/kg
LT-G-027-0-2-20140221	480-55157-21	MANGANESE	3/4/2014	178	Yes	Y	B	J	J	1.1	0.035	mg/kg
LT-G-027-0-2-20140221	480-55157-21	NICKEL	3/4/2014	10.7	Yes	Y	J		J	27.5	0.25	mg/kg
LT-G-027-0-2-20140221	480-55157-21	POTASSIUM	3/4/2014	1870	Yes	Y		J	J	165	22.0	mg/kg
LT-G-027-0-2-20140221	480-55157-21	SELENIUM	3/4/2014		Yes	N	U		U	22.0	0.44	mg/kg
LT-G-027-0-2-20140221	480-55157-21	SILVER	3/4/2014		Yes	N	U		U	2.8	0.22	mg/kg
LT-G-027-0-2-20140221	480-55157-21	MAGNESIUM	3/4/2014	2750	Yes	Y		J	J	110	1.0	mg/kg
LT-G-027-0-2-20140221	480-55157-21	THALLIUM	3/4/2014		Yes	N	U		U	33.1	0.33	mg/kg
LT-G-027-0-2-20140221	480-55157-21	CALCIUM	3/4/2014	2010	Yes	Y	B			275	3.6	mg/kg
LT-G-027-0-2-20140221	480-55157-21	SODIUM	3/4/2014	480	Yes	Y	J		J	771	14.3	mg/kg
LT-G-027-0-2-20140221	480-55157-21	LEAD	3/4/2014	65.7	Yes	Y		J	J	5.5	0.26	mg/kg
LT-G-027-0-2-20140221	480-55157-21	IRON	3/4/2014	15200	Yes	Y	B			55.1	1.2	mg/kg
LT-G-027-0-2-20140221	480-55157-21	COPPER	3/4/2014	27.3	Yes	Y				5.5	0.23	mg/kg
LT-G-027-0-2-20140221	480-55157-21	VANADIUM	3/4/2014	28.1	Yes	Y				2.8	0.12	mg/kg
LT-G-027-0-2-20140221	480-55157-21	CHROMIUM, TOTAL	3/4/2014	20.5	Yes	Y				2.8	0.22	mg/kg
LT-G-027-0-2-20140221	480-55157-21	CADMIUM	3/4/2014	0.16	Yes	Y	J		J	1.1	0.033	mg/kg
LT-G-027-0-2-20140221	480-55157-21	BERYLLIUM	3/4/2014	0.32	Yes	Y	J		J	1.1	0.031	mg/kg
LT-G-027-0-2-20140221	480-55157-21	BARIUM	3/4/2014	54.6	Yes	Y		J	J	2.8	0.12	mg/kg

SDG: 480551571

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-027-0-2-20140221	480-55157-21	ARSENIC	3/4/2014	5.8	Yes	Y	J		J	11.0	0.44	mg/kg
LT-G-027-0-2-20140221	480-55157-21	ANTIMONY	3/4/2014		Yes	N	U		U	82.6	0.44	mg/kg
LT-G-027-0-2-20140221	480-55157-21	ALUMINUM	3/4/2014	7640	Yes	Y		J	J	55.1	4.8	mg/kg
LT-G-027-0-2-20140221	480-55157-21	COBALT	3/4/2014	6.2	Yes	Y				2.8	0.055	mg/kg
LT-G-027-2-4-20140221	480-55157-22	BERYLLIUM	3/4/2014	0.45	Yes	Y	J		J	1.2	0.033	mg/kg
LT-G-027-2-4-20140221	480-55157-22	LEAD	3/4/2014	8.7	Yes	Y		J	J	5.8	0.28	mg/kg
LT-G-027-2-4-20140221	480-55157-22	ZINC	3/4/2014	25.1	Yes	Y	B	J	J	11.6	0.18	mg/kg
LT-G-027-2-4-20140221	480-55157-22	VANADIUM	3/4/2014	14.7	Yes	Y				2.9	0.13	mg/kg
LT-G-027-2-4-20140221	480-55157-22	THALLIUM	3/4/2014		Yes	N	U		U	34.9	0.35	mg/kg
LT-G-027-2-4-20140221	480-55157-22	SODIUM	3/4/2014	211	Yes	Y	J		J	815	15.1	mg/kg
LT-G-027-2-4-20140221	480-55157-22	SILVER	3/4/2014		Yes	N	U		U	2.9	0.23	mg/kg
LT-G-027-2-4-20140221	480-55157-22	SELENIUM	3/4/2014		Yes	N	U		U	23.3	0.47	mg/kg
LT-G-027-2-4-20140221	480-55157-22	POTASSIUM	3/4/2014	596	Yes	Y		J	J	175	23.3	mg/kg
LT-G-027-2-4-20140221	480-55157-22	NICKEL	3/4/2014	9.9	Yes	Y	J		J	29.1	0.27	mg/kg
LT-G-027-2-4-20140221	480-55157-22	ARSENIC	3/4/2014	5.6	Yes	Y	J		J	11.6	0.47	mg/kg
LT-G-027-2-4-20140221	480-55157-22	MAGNESIUM	3/4/2014	2190	Yes	Y		J	J	116	1.1	mg/kg
LT-G-027-2-4-20140221	480-55157-22	ALUMINUM	3/4/2014	4800	Yes	Y		J	J	58.2	5.1	mg/kg
LT-G-027-2-4-20140221	480-55157-22	IRON	3/4/2014	17500	Yes	Y	B			58.2	1.3	mg/kg
LT-G-027-2-4-20140221	480-55157-22	COPPER	3/4/2014	6	Yes	Y				5.8	0.24	mg/kg
LT-G-027-2-4-20140221	480-55157-22	COBALT	3/4/2014	12.5	Yes	Y				2.9	0.058	mg/kg
LT-G-027-2-4-20140221	480-55157-22	CHROMIUM, TOTAL	3/4/2014	11.9	Yes	Y				2.9	0.23	mg/kg
LT-G-027-2-4-20140221	480-55157-22	CALCIUM	3/4/2014	9610	Yes	Y	B			291	3.8	mg/kg
LT-G-027-2-4-20140221	480-55157-22	CADMIUM	3/4/2014	0.25	Yes	Y	J		J	1.2	0.035	mg/kg
LT-G-027-2-4-20140221	480-55157-22	BARIUM	3/4/2014	86.2	Yes	Y		J	J	2.9	0.13	mg/kg
LT-G-027-2-4-20140221	480-55157-22	ANTIMONY	3/4/2014		Yes	N	U		U	87.4	0.47	mg/kg

SDG: 480551571

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-027-2-4-20140221	480-55157-22	MANGANESE	3/4/2014	870	Yes	Y	B	J	J	1.2	0.037	mg/kg
LT-G-027-8-10-20140221	480-55157-23	LEAD	3/4/2014	7.8	Yes	Y		J	J	6.6	0.31	mg/kg
LT-G-027-8-10-20140221	480-55157-23	ALUMINUM	3/4/2014	4550	Yes	Y		J	J	65.6	5.8	mg/kg
LT-G-027-8-10-20140221	480-55157-23	ANTIMONY	3/4/2014		Yes	N	U		U	98.4	0.52	mg/kg
LT-G-027-8-10-20140221	480-55157-23	ARSENIC	3/4/2014	6	Yes	Y	J		J	13.1	0.52	mg/kg
LT-G-027-8-10-20140221	480-55157-23	BARIUM	3/4/2014	40	Yes	Y		J	J	3.3	0.14	mg/kg
LT-G-027-8-10-20140221	480-55157-23	BERYLLIUM	3/4/2014	0.17	Yes	Y	J		J	1.3	0.037	mg/kg
LT-G-027-8-10-20140221	480-55157-23	CADMIUM	3/4/2014	0.12	Yes	Y	J		J	1.3	0.039	mg/kg
LT-G-027-8-10-20140221	480-55157-23	CALCIUM	3/4/2014	709	Yes	Y	B			328	4.3	mg/kg
LT-G-027-8-10-20140221	480-55157-23	CHROMIUM, TOTAL	3/4/2014	13.6	Yes	Y				3.3	0.26	mg/kg
LT-G-027-8-10-20140221	480-55157-23	COBALT	3/4/2014	6.2	Yes	Y				3.3	0.066	mg/kg
LT-G-027-8-10-20140221	480-55157-23	IRON	3/4/2014	9690	Yes	Y	B			65.6	1.4	mg/kg
LT-G-027-8-10-20140221	480-55157-23	ZINC	3/4/2014	37.9	Yes	Y	B	J	J	13.1	0.20	mg/kg
LT-G-027-8-10-20140221	480-55157-23	SILVER	3/4/2014		Yes	N	U		U	3.3	0.26	mg/kg
LT-G-027-8-10-20140221	480-55157-23	VANADIUM	3/4/2014	12	Yes	Y				3.3	0.14	mg/kg
LT-G-027-8-10-20140221	480-55157-23	COPPER	3/4/2014	7.5	Yes	Y				6.6	0.28	mg/kg
LT-G-027-8-10-20140221	480-55157-23	SODIUM	3/4/2014	54.1	Yes	Y	J		J	918	17.1	mg/kg
LT-G-027-8-10-20140221	480-55157-23	SELENIUM	3/4/2014		Yes	N	U		U	26.2	0.52	mg/kg
LT-G-027-8-10-20140221	480-55157-23	POTASSIUM	3/4/2014	747	Yes	Y		J	J	197	26.2	mg/kg
LT-G-027-8-10-20140221	480-55157-23	NICKEL	3/4/2014	8.6	Yes	Y	J		J	32.8	0.30	mg/kg
LT-G-027-8-10-20140221	480-55157-23	MANGANESE	3/4/2014	80.9	Yes	Y	B	J	J	1.3	0.042	mg/kg
LT-G-027-8-10-20140221	480-55157-23	MAGNESIUM	3/4/2014	1480	Yes	Y		J	J	131	1.2	mg/kg
LT-G-027-8-10-20140221	480-55157-23	THALLIUM	3/4/2014		Yes	N	U		U	39.3	0.39	mg/kg

SDG: 480551571

Analytical Method SW7470A

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801678161A	4801678161A	MERCURY	2/27/2014		Yes	N	U		U	0.00020	0.00012	mg/l
FB028-20140221	480-55157-32	MERCURY	2/27/2014		Yes	N	U		U	0.00020	0.00012	mg/l

Analytical Method SW7471B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801676131A	4801676131A	MERCURY	2/26/2014		Yes	N	U		U	0.019	0.0078	mg/kg
4801676161A	4801676161A	MERCURY	2/26/2014		Yes	N	U		U	0.019	0.0077	mg/kg
CC-C-048-0-2-20140221	480-55157-1	MERCURY	2/26/2014	0.012	Yes	Y	J		J	0.022	0.0089	mg/kg
CC-C-048-4-6-20140221	480-55157-3	MERCURY	2/26/2014	0.035	Yes	Y				0.021	0.0086	mg/kg
CC-C-048-8-10-20140221	480-55157-4	MERCURY	2/26/2014	0.23	Yes	Y				0.021	0.0087	mg/kg
CC-C-049-0-2-20140221	480-55157-5	MERCURY	2/26/2014	0.14	Yes	Y				0.023	0.0095	mg/kg
CC-C-049-2-4-20140221	480-55157-6	MERCURY	2/26/2014	0.13	Yes	Y				0.020	0.0081	mg/kg
CC-C-049-8-10-20140221	480-55157-7	MERCURY	2/26/2014	0.063	Yes	Y				0.022	0.0088	mg/kg
CC-C-050-0-2-20140221	480-55157-8	MERCURY	2/26/2014	0.11	Yes	Y				0.021	0.0086	mg/kg
CC-C-050-2-4-20140221	480-55157-9	MERCURY	2/26/2014	0.021	Yes	Y	J		J	0.022	0.0088	mg/kg
CC-C-050-8-10-20140221	480-55157-10	MERCURY	2/26/2014	0.084	Yes	Y				0.024	0.0097	mg/kg
CC-C-051-0-2-20140221	480-55157-12	MERCURY	2/26/2014	0.06	Yes	Y				0.021	0.0086	mg/kg
CC-C-051-2-4-20140221	480-55157-13	MERCURY	2/26/2014	0.24	Yes	Y				0.021	0.0087	mg/kg
CC-C-051-8-10-20140221	480-55157-14	MERCURY	2/26/2014	0.11	Yes	Y				0.023	0.0094	mg/kg
CC-C-052-0-2-20140221	480-55157-15	MERCURY	2/26/2014	0.055	Yes	Y				0.022	0.0088	mg/kg
CC-C-052-2-4-20140221	480-55157-16	MERCURY	2/26/2014	0.074	Yes	Y				0.021	0.0087	mg/kg
CC-C-052-8-10-20140221	480-55157-17	MERCURY	2/26/2014	0.037	Yes	Y				0.024	0.0096	mg/kg
dup027-20140221	480-55157-11	MERCURY	2/26/2014	0.14	Yes	Y				0.023	0.0094	mg/kg
LT-C-053-0-2-20140221	480-55157-24	MERCURY	2/26/2014	0.15	Yes	Y		J	J	0.022	0.0089	mg/kg
LT-C-053-4-6-20140221	480-55157-25	MERCURY	2/26/2014	0.083	Yes	Y		J	J	0.023	0.0094	mg/kg

SDG: 480551571

Analytical Method		SW7471B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-053-6-8-20140221	480-55157-26	MERCURY	2/26/2014	0.024	Yes	Y		J	J	0.023	0.0092	mg/kg
LT-C-054-0-2-20140221	480-55157-27	MERCURY	2/26/2014	0.099	Yes	Y		J	J	0.021	0.0083	mg/kg
LT-C-054-2-4-20140221	480-55157-28	MERCURY	2/26/2014	0.014	Yes	Y	J	J	J	0.020	0.0081	mg/kg
LT-C-057-0-2-20140221	480-55157-29	MERCURY	2/26/2014		Yes	N	U		U	0.020	0.0080	mg/kg
LT-C-057-2-4-20140221	480-55157-30	MERCURY	2/26/2014	0.018	Yes	Y	J	J	J	0.021	0.0084	mg/kg
LT-C-057-6-8-20140221	480-55157-31	MERCURY	2/26/2014		Yes	N	U		U	0.022	0.0090	mg/kg
LT-G-026-0-2-20140221	480-55157-18	MERCURY	2/26/2014	0.1	Yes	Y				0.024	0.0096	mg/kg
LT-G-026-4-6-20140221	480-55157-19	MERCURY	2/26/2014		Yes	N	U		U	0.022	0.0088	mg/kg
LT-G-026-6-8-20140221	480-55157-20	MERCURY	2/26/2014	0.013	Yes	Y	J		J	0.023	0.0092	mg/kg
LT-G-027-0-2-20140221	480-55157-21	MERCURY	2/26/2014	0.088	Yes	Y		J	J	0.024	0.0097	mg/kg
LT-G-027-2-4-20140221	480-55157-22	MERCURY	2/26/2014	0.016	Yes	Y	J	J	J	0.023	0.0093	mg/kg
LT-G-027-8-10-20140221	480-55157-23	MERCURY	2/26/2014		Yes	N	U		U	0.024	0.0098	mg/kg

Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801675361A	4801675361A	ENDOSULFAN SULFATE	2/26/2014		Yes	N	U		U	0.050	0.016	ug/l
4801675361A	4801675361A	P,P'-DDE	2/26/2014		Yes	N	U		U	0.050	0.012	ug/l
4801675361A	4801675361A	P,P'-DDD	2/26/2014		Yes	N	U		U	0.050	0.0092	ug/l
4801675361A	4801675361A	METHOXYCHLOR	2/26/2014		Yes	N	U		U	0.050	0.014	ug/l
4801675361A	4801675361A	HEPTACHLOR EPOXIDE	2/26/2014		Yes	N	U		U	0.050	0.0053	ug/l
4801675361A	4801675361A	HEPTACHLOR	2/26/2014		Yes	N	U		U	0.050	0.0085	ug/l
4801675361A	4801675361A	GAMMA CHLORDANE	2/26/2014		Yes	N	U		U	0.050	0.011	ug/l
4801675361A	4801675361A	GAMMA BHC (LINDANE)	2/26/2014		Yes	N	U		U	0.050	0.0060	ug/l
4801675361A	4801675361A	ENDRIN KETONE	2/26/2014		Yes	N	U		U	0.050	0.012	ug/l
4801675361A	4801675361A	TOXAPHENE	2/26/2014		Yes	N	U		U	0.50	0.12	ug/l

SDG: 480551571

Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801675361A	4801675361A	ENDRIN	2/26/2014		Yes	N	U		U	0.050	0.014	ug/l
4801675361A	4801675361A	P,P'-DDT	2/26/2014		Yes	N	U		U	0.050	0.011	ug/l
4801675361A	4801675361A	DIELDRIN	2/26/2014		Yes	N	U		U	0.050	0.0098	ug/l
4801675361A	4801675361A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	0.050	0.010	ug/l
4801675361A	4801675361A	BETA ENDOSULFAN	2/26/2014		Yes	N	U		U	0.050	0.012	ug/l
4801675361A	4801675361A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	0.050	0.025	ug/l
4801675361A	4801675361A	ALPHA ENDOSULFAN	2/26/2014		Yes	N	U		U	0.050	0.011	ug/l
4801675361A	4801675361A	ALPHA CHLORDANE	2/26/2014		Yes	N	U		U	0.050	0.015	ug/l
4801675361A	4801675361A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	0.050	0.0066	ug/l
4801675361A	4801675361A	ALDRIN	2/26/2014		Yes	N	U		U	0.050	0.0066	ug/l
4801675361A	4801675361A	ENDRIN ALDEHYDE	2/26/2014		Yes	N	U		U	0.050	0.016	ug/l
4801676141A	4801676141A	ENDRIN	2/27/2014		Yes	N	U		U	1.7	0.23	ug/kg
4801676141A	4801676141A	P,P'-DDT	2/27/2014		Yes	N	U		U	1.7	0.17	ug/kg
4801676141A	4801676141A	P,P'-DDE	2/27/2014		Yes	N	U		U	1.7	0.25	ug/kg
4801676141A	4801676141A	P,P'-DDD	2/27/2014		Yes	N	U		U	1.7	0.32	ug/kg
4801676141A	4801676141A	METHOXYCHLOR	2/27/2014		Yes	N	U		U	1.7	0.23	ug/kg
4801676141A	4801676141A	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	1.7	0.43	ug/kg
4801676141A	4801676141A	HEPTACHLOR	2/27/2014		Yes	N	U		U	1.7	0.26	ug/kg
4801676141A	4801676141A	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	1.7	0.52	ug/kg
4801676141A	4801676141A	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	1.7	0.20	ug/kg
4801676141A	4801676141A	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	1.7	0.42	ug/kg
4801676141A	4801676141A	ALDRIN	2/27/2014		Yes	N	U		U	1.7	0.41	ug/kg
4801676141A	4801676141A	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	1.7	0.31	ug/kg
4801676141A	4801676141A	DIELDRIN	2/27/2014		Yes	N	U		U	1.7	0.40	ug/kg

SDG: 480551571

Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801676141A	4801676141A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014	0.456	Yes	Y	J		J	1.7	0.22	ug/kg
4801676141A	4801676141A	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.7	0.30	ug/kg
4801676141A	4801676141A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.7	0.18	ug/kg
4801676141A	4801676141A	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.7	0.21	ug/kg
4801676141A	4801676141A	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	1.7	0.82	ug/kg
4801676141A	4801676141A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.7	0.30	ug/kg
4801676141A	4801676141A	TOXAPHENE	2/27/2014		Yes	N	U		U	17	9.6	ug/kg
4801676141A	4801676141A	ENDRIN KETONE	2/27/2014		Yes	N	U		U	1.7	0.41	ug/kg
4801676171A	4801676171A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.7	0.22	ug/kg
4801676171A	4801676171A	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.7	0.30	ug/kg
4801676171A	4801676171A	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	1.7	0.31	ug/kg
4801676171A	4801676171A	ALDRIN	2/27/2014		Yes	N	U		U	1.7	0.41	ug/kg
4801676171A	4801676171A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.7	0.30	ug/kg
4801676171A	4801676171A	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	1.7	0.82	ug/kg
4801676171A	4801676171A	TOXAPHENE	2/27/2014		Yes	N	U		U	17	9.6	ug/kg
4801676171A	4801676171A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.7	0.18	ug/kg
4801676171A	4801676171A	DIELDRIN	2/27/2014		Yes	N	U		U	1.7	0.40	ug/kg
4801676171A	4801676171A	ENDRIN	2/27/2014		Yes	N	U		U	1.7	0.23	ug/kg
4801676171A	4801676171A	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	1.7	0.42	ug/kg
4801676171A	4801676171A	P,P'-DDE	2/27/2014		Yes	N	U		U	1.7	0.25	ug/kg
4801676171A	4801676171A	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	1.7	0.20	ug/kg
4801676171A	4801676171A	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	1.7	0.52	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801676171A	4801676171A	P,P'-DDT	2/27/2014		Yes	N	U		U	1.7	0.17	ug/kg
4801676171A	4801676171A	HEPTACHLOR	2/27/2014		Yes	N	U		U	1.7	0.26	ug/kg
4801676171A	4801676171A	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	1.7	0.43	ug/kg
4801676171A	4801676171A	METHOXYCHLOR	2/27/2014		Yes	N	U		U	1.7	0.23	ug/kg
4801676171A	4801676171A	P,P'-DDD	2/27/2014		Yes	N	U		U	1.7	0.32	ug/kg
4801676171A	4801676171A	ENDRIN KETONE	2/27/2014		Yes	N	U		U	1.7	0.41	ug/kg
4801676171A	4801676171A	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.7	0.21	ug/kg
4801678121A	4801678121A	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	1.7	0.20	ug/kg
4801678121A	4801678121A	GAMMA CHLORDANE	2/27/2014	0.641	Yes	Y	J		J	1.7	0.52	ug/kg
4801678121A	4801678121A	HEPTACHLOR	2/27/2014		Yes	N	U		U	1.7	0.26	ug/kg
4801678121A	4801678121A	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	1.7	0.43	ug/kg
4801678121A	4801678121A	METHOXYCHLOR	2/27/2014		Yes	N	U		U	1.7	0.23	ug/kg
4801678121A	4801678121A	P,P'-DDD	2/27/2014		Yes	N	U		U	1.7	0.32	ug/kg
4801678121A	4801678121A	P,P'-DDT	2/27/2014		Yes	N	U		U	1.7	0.17	ug/kg
4801678121A	4801678121A	ENDRIN	2/27/2014		Yes	N	U		U	1.7	0.23	ug/kg
4801678121A	4801678121A	TOXAPHENE	2/27/2014		Yes	N	U		U	17	9.6	ug/kg
4801678121A	4801678121A	P,P'-DDE	2/27/2014		Yes	N	U		U	1.7	0.25	ug/kg
4801678121A	4801678121A	ALDRIN	2/27/2014		Yes	N	U		U	1.7	0.41	ug/kg
4801678121A	4801678121A	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	1.7	0.31	ug/kg
4801678121A	4801678121A	DIELDRIN	2/27/2014		Yes	N	U		U	1.7	0.40	ug/kg
4801678121A	4801678121A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014	0.57	Yes	Y	J		J	1.7	0.22	ug/kg
4801678121A	4801678121A	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.7	0.30	ug/kg
4801678121A	4801678121A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.7	0.18	ug/kg
4801678121A	4801678121A	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.7	0.21	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801678121A	4801678121A	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	1.7	0.82	ug/kg
4801678121A	4801678121A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.7	0.30	ug/kg
4801678121A	4801678121A	ENDRIN KETONE	2/27/2014		Yes	N	U		U	1.7	0.41	ug/kg
4801678121A	4801678121A	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	1.7	0.42	ug/kg
4801678131A	4801678131A	ENDRIN KETONE	2/27/2014		Yes	N	U		U	1.7	0.41	ug/kg
4801678131A	4801678131A	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	1.7	0.20	ug/kg
4801678131A	4801678131A	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	1.7	0.52	ug/kg
4801678131A	4801678131A	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	1.7	0.43	ug/kg
4801678131A	4801678131A	P,P'-DDD	2/27/2014		Yes	N	U		U	1.7	0.32	ug/kg
4801678131A	4801678131A	P,P'-DDE	2/27/2014		Yes	N	U		U	1.7	0.25	ug/kg
4801678131A	4801678131A	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	1.7	0.42	ug/kg
4801678131A	4801678131A	TOXAPHENE	2/27/2014		Yes	N	U		U	17	9.6	ug/kg
4801678131A	4801678131A	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.7	0.21	ug/kg
4801678131A	4801678131A	P,P'-DDT	2/27/2014		Yes	N	U		U	1.7	0.17	ug/kg
4801678131A	4801678131A	ENDRIN	2/27/2014		Yes	N	U		U	1.7	0.23	ug/kg
4801678131A	4801678131A	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	1.7	0.31	ug/kg
4801678131A	4801678131A	DIELDRIN	2/27/2014		Yes	N	U		U	1.7	0.40	ug/kg
4801678131A	4801678131A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.7	0.22	ug/kg
4801678131A	4801678131A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.7	0.18	ug/kg
4801678131A	4801678131A	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	1.7	0.82	ug/kg
4801678131A	4801678131A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.7	0.30	ug/kg
4801678131A	4801678131A	ALDRIN	2/27/2014		Yes	N	U		U	1.7	0.41	ug/kg
4801678131A	4801678131A	METHOXYCHLOR	2/27/2014		Yes	N	U		U	1.7	0.23	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801678131A	4801678131A	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.7	0.30	ug/kg
4801678131A	4801678131A	HEPTACHLOR	2/27/2014		Yes	N	U		U	1.7	0.26	ug/kg
CC-C-048-0-2-20140221	480-55157-1	ENDRIN KETONE	2/27/2014		Yes	N	U		U	90	22	ug/kg
CC-C-048-0-2-20140221	480-55157-1	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	90	11	ug/kg
CC-C-048-0-2-20140221	480-55157-1	GAMMA CHLORDANE	2/27/2014	50	Yes	Y	BJ		J	90	28	ug/kg
CC-C-048-0-2-20140221	480-55157-1	HEPTACHLOR	2/27/2014		Yes	N	U		U	90	14	ug/kg
CC-C-048-0-2-20140221	480-55157-1	METHOXYCHLOR	2/27/2014		Yes	N	U		U	90	12	ug/kg
CC-C-048-0-2-20140221	480-55157-1	P,P'-DDE	2/27/2014	31	Yes	Y	J		J	90	13	ug/kg
CC-C-048-0-2-20140221	480-55157-1	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	90	23	ug/kg
CC-C-048-0-2-20140221	480-55157-1	TOXAPHENE	2/27/2014		Yes	N	U		U	900	520	ug/kg
CC-C-048-0-2-20140221	480-55157-1	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	90	23	ug/kg
CC-C-048-0-2-20140221	480-55157-1	P,P'-DDT	2/27/2014		Yes	N	U		U	90	9.1	ug/kg
CC-C-048-0-2-20140221	480-55157-1	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	90	45	ug/kg
CC-C-048-0-2-20140221	480-55157-1	P,P'-DDD	2/27/2014		Yes	N	U		U	90	17	ug/kg
CC-C-048-0-2-20140221	480-55157-1	ENDRIN	2/27/2014		Yes	N	U		U	90	12	ug/kg
CC-C-048-0-2-20140221	480-55157-1	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	90	16	ug/kg
CC-C-048-0-2-20140221	480-55157-1	ALDRIN	2/27/2014		Yes	N	U		U	90	22	ug/kg
CC-C-048-0-2-20140221	480-55157-1	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	90	11	ug/kg
CC-C-048-0-2-20140221	480-55157-1	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	90	9.7	ug/kg
CC-C-048-0-2-20140221	480-55157-1	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	90	16	ug/kg
CC-C-048-0-2-20140221	480-55157-1	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	90	12	ug/kg
CC-C-048-0-2-20140221	480-55157-1	DIELDRIN	2/27/2014		Yes	N	U		U	90	21	ug/kg
CC-C-048-0-2-20140221	480-55157-1	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	90	17	ug/kg
CC-C-048-4-6-20140221	480-55157-3	P,P'-DDD	2/27/2014	29	Yes	Y	J		J	90	18	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-048-4-6-20140221	480-55157-3	ENDRIN	2/27/2014		Yes	N	U		U	90	12	ug/kg
CC-C-048-4-6-20140221	480-55157-3	TOXAPHENE	2/27/2014		Yes	N	U		U	900	520	ug/kg
CC-C-048-4-6-20140221	480-55157-3	P,P'-DDT	2/27/2014	39	Yes	Y	J		J	90	9.2	ug/kg
CC-C-048-4-6-20140221	480-55157-3	P,P'-DDE	2/27/2014	22	Yes	Y	J		J	90	14	ug/kg
CC-C-048-4-6-20140221	480-55157-3	METHOXYCHLOR	2/27/2014		Yes	N	U		U	90	12	ug/kg
CC-C-048-4-6-20140221	480-55157-3	HEPTACHLOR	2/27/2014		Yes	N	U		U	90	14	ug/kg
CC-C-048-4-6-20140221	480-55157-3	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	90	29	ug/kg
CC-C-048-4-6-20140221	480-55157-3	GAMMA BHC (LINDANE)	2/27/2014	24	Yes	Y	J		J	90	11	ug/kg
CC-C-048-4-6-20140221	480-55157-3	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	90	23	ug/kg
CC-C-048-4-6-20140221	480-55157-3	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	90	23	ug/kg
CC-C-048-4-6-20140221	480-55157-3	ALDRIN	2/27/2014		Yes	N	U		U	90	22	ug/kg
CC-C-048-4-6-20140221	480-55157-3	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	90	17	ug/kg
CC-C-048-4-6-20140221	480-55157-3	DIELDRIN	2/27/2014		Yes	N	U		U	90	22	ug/kg
CC-C-048-4-6-20140221	480-55157-3	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	90	12	ug/kg
CC-C-048-4-6-20140221	480-55157-3	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	90	16	ug/kg
CC-C-048-4-6-20140221	480-55157-3	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	90	9.7	ug/kg
CC-C-048-4-6-20140221	480-55157-3	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	90	11	ug/kg
CC-C-048-4-6-20140221	480-55157-3	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	90	45	ug/kg
CC-C-048-4-6-20140221	480-55157-3	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	90	16	ug/kg
CC-C-048-4-6-20140221	480-55157-3	ENDRIN KETONE	2/27/2014		Yes	N	U		U	90	22	ug/kg
CC-C-048-8-10-20140221	480-55157-4	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	94	12	ug/kg
CC-C-048-8-10-20140221	480-55157-4	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	94	12	ug/kg
CC-C-048-8-10-20140221	480-55157-4	TOXAPHENE	2/27/2014		Yes	N	U		U	940	540	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-048-8-10-20140221	480-55157-4	P,P'-DDT	2/27/2014	52	Yes	Y	J	J	J	94	9.5	ug/kg
CC-C-048-8-10-20140221	480-55157-4	P,P'-DDE	2/27/2014	26	Yes	Y	J		J	94	14	ug/kg
CC-C-048-8-10-20140221	480-55157-4	P,P'-DDD	2/27/2014	98	Yes	Y				94	18	ug/kg
CC-C-048-8-10-20140221	480-55157-4	METHOXYCHLOR	2/27/2014		Yes	N	U		U	94	13	ug/kg
CC-C-048-8-10-20140221	480-55157-4	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	94	24	ug/kg
CC-C-048-8-10-20140221	480-55157-4	HEPTACHLOR	2/27/2014		Yes	N	U		U	94	15	ug/kg
CC-C-048-8-10-20140221	480-55157-4	GAMMA CHLORDANE	2/27/2014	46	Yes	Y	BJ		J	94	30	ug/kg
CC-C-048-8-10-20140221	480-55157-4	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	94	12	ug/kg
CC-C-048-8-10-20140221	480-55157-4	ENDRIN KETONE	2/27/2014		Yes	N	U		U	94	23	ug/kg
CC-C-048-8-10-20140221	480-55157-4	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	94	24	ug/kg
CC-C-048-8-10-20140221	480-55157-4	ENDRIN	2/27/2014		Yes	N	U		U	94	13	ug/kg
CC-C-048-8-10-20140221	480-55157-4	DIELDRIN	2/27/2014		Yes	N	U		U	94	22	ug/kg
CC-C-048-8-10-20140221	480-55157-4	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	94	17	ug/kg
CC-C-048-8-10-20140221	480-55157-4	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	94	47	ug/kg
CC-C-048-8-10-20140221	480-55157-4	ALDRIN	2/27/2014		Yes	N	U		U	94	23	ug/kg
CC-C-048-8-10-20140221	480-55157-4	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	94	10	ug/kg
CC-C-048-8-10-20140221	480-55157-4	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	94	17	ug/kg
CC-C-048-8-10-20140221	480-55157-4	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	94	17	ug/kg
CC-C-049-0-2-20140221	480-55157-5	HEPTACHLOR	2/27/2014		Yes	N	U		U	110	17	ug/kg
CC-C-049-0-2-20140221	480-55157-5	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	110	19	ug/kg
CC-C-049-0-2-20140221	480-55157-5	DIELDRIN	2/27/2014		Yes	N	U		U	110	25	ug/kg
CC-C-049-0-2-20140221	480-55157-5	ENDRIN	2/27/2014		Yes	N	U		U	110	15	ug/kg
CC-C-049-0-2-20140221	480-55157-5	TOXAPHENE	2/27/2014		Yes	N	U		U	1100	610	ug/kg
CC-C-049-0-2-20140221	480-55157-5	P,P'-DDT	2/27/2014	44	Yes	Y	J		J	110	11	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-049-0-2-20140221	480-55157-5	P,P'-DDE	2/27/2014		Yes	N	U		U	110	16	ug/kg
CC-C-049-0-2-20140221	480-55157-5	P,P'-DDD	2/27/2014	27	Yes	Y	J		J	110	20	ug/kg
CC-C-049-0-2-20140221	480-55157-5	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	110	27	ug/kg
CC-C-049-0-2-20140221	480-55157-5	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	110	34	ug/kg
CC-C-049-0-2-20140221	480-55157-5	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	110	13	ug/kg
CC-C-049-0-2-20140221	480-55157-5	ENDRIN KETONE	2/27/2014		Yes	N	U		U	110	26	ug/kg
CC-C-049-0-2-20140221	480-55157-5	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	110	11	ug/kg
CC-C-049-0-2-20140221	480-55157-5	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	110	14	ug/kg
CC-C-049-0-2-20140221	480-55157-5	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	110	27	ug/kg
CC-C-049-0-2-20140221	480-55157-5	METHOXYCHLOR	2/27/2014		Yes	N	U		U	110	15	ug/kg
CC-C-049-0-2-20140221	480-55157-5	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	110	53	ug/kg
CC-C-049-0-2-20140221	480-55157-5	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	110	20	ug/kg
CC-C-049-0-2-20140221	480-55157-5	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	110	19	ug/kg
CC-C-049-0-2-20140221	480-55157-5	ALDRIN	2/27/2014		Yes	N	U		U	110	26	ug/kg
CC-C-049-0-2-20140221	480-55157-5	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	110	13	ug/kg
CC-C-049-2-4-20140221	480-55157-6	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	92	24	ug/kg
CC-C-049-2-4-20140221	480-55157-6	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	92	12	ug/kg
CC-C-049-2-4-20140221	480-55157-6	DIELDRIN	2/27/2014		Yes	N	U		U	92	22	ug/kg
CC-C-049-2-4-20140221	480-55157-6	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	92	17	ug/kg
CC-C-049-2-4-20140221	480-55157-6	ENDRIN	2/27/2014		Yes	N	U		U	92	13	ug/kg
CC-C-049-2-4-20140221	480-55157-6	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	92	24	ug/kg
CC-C-049-2-4-20140221	480-55157-6	ENDRIN KETONE	2/27/2014		Yes	N	U		U	92	23	ug/kg
CC-C-049-2-4-20140221	480-55157-6	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	92	11	ug/kg

SDG: 480551571

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-049-2-4-20140221	480-55157-6	HEPTACHLOR	2/27/2014		Yes	N	U		U	92	14	ug/kg
CC-C-049-2-4-20140221	480-55157-6	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	92	12	ug/kg
CC-C-049-2-4-20140221	480-55157-6	METHOXYCHLOR	2/27/2014		Yes	N	U		U	92	13	ug/kg
CC-C-049-2-4-20140221	480-55157-6	P,P'-DDD	2/27/2014	54	Yes	Y	J		J	92	18	ug/kg
CC-C-049-2-4-20140221	480-55157-6	P,P'-DDE	2/27/2014	22	Yes	Y	J		J	92	14	ug/kg
CC-C-049-2-4-20140221	480-55157-6	P,P'-DDT	2/27/2014	39	Yes	Y	J		J	92	9.4	ug/kg
CC-C-049-2-4-20140221	480-55157-6	TOXAPHENE	2/27/2014		Yes	N	U		U	920	540	ug/kg
CC-C-049-2-4-20140221	480-55157-6	GAMMA CHLORDANE	2/27/2014	42	Yes	Y	BJ		J	92	29	ug/kg
CC-C-049-2-4-20140221	480-55157-6	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	92	46	ug/kg
CC-C-049-2-4-20140221	480-55157-6	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	92	17	ug/kg
CC-C-049-2-4-20140221	480-55157-6	ALDRIN	2/27/2014		Yes	N	U		U	92	23	ug/kg
CC-C-049-2-4-20140221	480-55157-6	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	92	10	ug/kg
CC-C-049-2-4-20140221	480-55157-6	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	92	17	ug/kg
CC-C-049-8-10-20140221	480-55157-7	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	19	6.0	ug/kg
CC-C-049-8-10-20140221	480-55157-7	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	19	3.4	ug/kg
CC-C-049-8-10-20140221	480-55157-7	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	19	2.5	ug/kg
CC-C-049-8-10-20140221	480-55157-7	DIELDRIN	2/27/2014		Yes	N	U		U	19	4.5	ug/kg
CC-C-049-8-10-20140221	480-55157-7	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	19	4.8	ug/kg
CC-C-049-8-10-20140221	480-55157-7	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	19	2.0	ug/kg
CC-C-049-8-10-20140221	480-55157-7	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	19	3.5	ug/kg
CC-C-049-8-10-20140221	480-55157-7	ENDRIN	2/27/2014		Yes	N	U		U	19	2.6	ug/kg
CC-C-049-8-10-20140221	480-55157-7	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	19	4.8	ug/kg
CC-C-049-8-10-20140221	480-55157-7	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	19	2.3	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-049-8-10-20140221	480-55157-7	HEPTACHLOR	2/27/2014		Yes	N	U		U	19	2.9	ug/kg
CC-C-049-8-10-20140221	480-55157-7	METHOXYCHLOR	2/27/2014		Yes	N	U		U	19	2.6	ug/kg
CC-C-049-8-10-20140221	480-55157-7	P,P'-DDE	2/27/2014	8.5	Yes	Y	J		J	19	2.8	ug/kg
CC-C-049-8-10-20140221	480-55157-7	P,P'-DDT	2/27/2014		Yes	N	U		U	19	1.9	ug/kg
CC-C-049-8-10-20140221	480-55157-7	TOXAPHENE	2/27/2014		Yes	N	U		U	190	110	ug/kg
CC-C-049-8-10-20140221	480-55157-7	ENDRIN KETONE	2/27/2014		Yes	N	U		U	19	4.6	ug/kg
CC-C-049-8-10-20140221	480-55157-7	P,P'-DDD	2/27/2014	18	Yes	Y	J		J	19	3.6	ug/kg
CC-C-049-8-10-20140221	480-55157-7	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	19	9.3	ug/kg
CC-C-049-8-10-20140221	480-55157-7	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	19	3.4	ug/kg
CC-C-049-8-10-20140221	480-55157-7	ALDRIN	2/27/2014		Yes	N	U		U	19	4.6	ug/kg
CC-C-049-8-10-20140221	480-55157-7	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	19	2.4	ug/kg
CC-C-050-0-2-20140221	480-55157-8	DIELDRIN	2/27/2014		Yes	N	U		U	91	22	ug/kg
CC-C-050-0-2-20140221	480-55157-8	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	91	17	ug/kg
CC-C-050-0-2-20140221	480-55157-8	ENDRIN	2/27/2014		Yes	N	U		U	91	12	ug/kg
CC-C-050-0-2-20140221	480-55157-8	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	91	23	ug/kg
CC-C-050-0-2-20140221	480-55157-8	ENDRIN KETONE	2/27/2014		Yes	N	U		U	91	22	ug/kg
CC-C-050-0-2-20140221	480-55157-8	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	91	11	ug/kg
CC-C-050-0-2-20140221	480-55157-8	GAMMA CHLORDANE	2/27/2014	31	Yes	Y	BJ		J	91	29	ug/kg
CC-C-050-0-2-20140221	480-55157-8	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014	27	Yes	Y	BJ		J	91	12	ug/kg
CC-C-050-0-2-20140221	480-55157-8	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	91	23	ug/kg
CC-C-050-0-2-20140221	480-55157-8	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	91	11	ug/kg
CC-C-050-0-2-20140221	480-55157-8	METHOXYCHLOR	2/27/2014		Yes	N	U		U	91	12	ug/kg
CC-C-050-0-2-20140221	480-55157-8	P,P'-DDD	2/27/2014	21	Yes	Y	J		J	91	18	ug/kg
CC-C-050-0-2-20140221	480-55157-8	P,P'-DDE	2/27/2014	21	Yes	Y	J		J	91	14	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-050-0-2-20140221	480-55157-8	P,P'-DDT	2/27/2014	46	Yes	Y	J		J	91	9.2	ug/kg
CC-C-050-0-2-20140221	480-55157-8	TOXAPHENE	2/27/2014		Yes	N	U		U	910	530	ug/kg
CC-C-050-0-2-20140221	480-55157-8	HEPTACHLOR	2/27/2014		Yes	N	U		U	91	14	ug/kg
CC-C-050-0-2-20140221	480-55157-8	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	91	45	ug/kg
CC-C-050-0-2-20140221	480-55157-8	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	91	16	ug/kg
CC-C-050-0-2-20140221	480-55157-8	ALDRIN	2/27/2014		Yes	N	U		U	91	22	ug/kg
CC-C-050-0-2-20140221	480-55157-8	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	91	9.8	ug/kg
CC-C-050-0-2-20140221	480-55157-8	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	91	16	ug/kg
CC-C-050-2-4-20140221	480-55157-9	ENDRIN KETONE	2/27/2014		Yes	N	U		U	1.9	0.47	ug/kg
CC-C-050-2-4-20140221	480-55157-9	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.9	0.34	ug/kg
CC-C-050-2-4-20140221	480-55157-9	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.9	0.25	ug/kg
CC-C-050-2-4-20140221	480-55157-9	DIELDRIN	2/27/2014		Yes	N	U		U	1.9	0.46	ug/kg
CC-C-050-2-4-20140221	480-55157-9	TOXAPHENE	2/27/2014		Yes	N	U		U	19	11	ug/kg
CC-C-050-2-4-20140221	480-55157-9	P,P'-DDT	2/27/2014	0.98	Yes	Y	J	U	U	1.9	0.20	ug/kg
CC-C-050-2-4-20140221	480-55157-9	P,P'-DDE	2/27/2014		Yes	N	U		U	1.9	0.29	ug/kg
CC-C-050-2-4-20140221	480-55157-9	P,P'-DDD	2/27/2014	0.78	Yes	Y	J	J	J	1.9	0.37	ug/kg
CC-C-050-2-4-20140221	480-55157-9	METHOXYCHLOR	2/27/2014		Yes	N	U		U	1.9	0.26	ug/kg
CC-C-050-2-4-20140221	480-55157-9	GAMMA CHLORDANE	2/27/2014	1	Yes	Y	J		J	1.9	0.61	ug/kg
CC-C-050-2-4-20140221	480-55157-9	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	1.9	0.49	ug/kg
CC-C-050-2-4-20140221	480-55157-9	ENDRIN	2/27/2014		Yes	N	U		U	1.9	0.26	ug/kg
CC-C-050-2-4-20140221	480-55157-9	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	1.9	0.36	ug/kg
CC-C-050-2-4-20140221	480-55157-9	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	1.9	0.24	ug/kg
CC-C-050-2-4-20140221	480-55157-9	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.9	0.21	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-050-2-4-20140221	480-55157-9	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	1.9	0.49	ug/kg
CC-C-050-2-4-20140221	480-55157-9	HEPTACHLOR	2/27/2014		Yes	N	U		U	1.9	0.30	ug/kg
CC-C-050-2-4-20140221	480-55157-9	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	1.9	0.95	ug/kg
CC-C-050-2-4-20140221	480-55157-9	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.9	0.34	ug/kg
CC-C-050-2-4-20140221	480-55157-9	ALDRIN	2/27/2014		Yes	N	U		U	1.9	0.47	ug/kg
CC-C-050-2-4-20140221	480-55157-9	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.9	0.24	ug/kg
CC-C-050-8-10-20140221	480-55157-10	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.9	0.35	ug/kg
CC-C-050-8-10-20140221	480-55157-10	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014	0.64	Yes	Y	BJ	U	U	1.9	0.25	ug/kg
CC-C-050-8-10-20140221	480-55157-10	DIELDRIN	2/27/2014		Yes	N	U		U	1.9	0.46	ug/kg
CC-C-050-8-10-20140221	480-55157-10	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	1.9	0.36	ug/kg
CC-C-050-8-10-20140221	480-55157-10	ENDRIN	2/27/2014		Yes	N	U		U	1.9	0.27	ug/kg
CC-C-050-8-10-20140221	480-55157-10	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	1.9	0.49	ug/kg
CC-C-050-8-10-20140221	480-55157-10	ENDRIN KETONE	2/27/2014		Yes	N	U		U	1.9	0.47	ug/kg
CC-C-050-8-10-20140221	480-55157-10	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.9	0.21	ug/kg
CC-C-050-8-10-20140221	480-55157-10	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	1.9	0.50	ug/kg
CC-C-050-8-10-20140221	480-55157-10	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	1.9	0.24	ug/kg
CC-C-050-8-10-20140221	480-55157-10	METHOXYCHLOR	2/27/2014		Yes	N	U		U	1.9	0.27	ug/kg
CC-C-050-8-10-20140221	480-55157-10	P,P'-DDD	2/27/2014	1.4	Yes	Y	J		J	1.9	0.37	ug/kg
CC-C-050-8-10-20140221	480-55157-10	P,P'-DDE	2/27/2014	1.6	Yes	Y	J		J	1.9	0.29	ug/kg
CC-C-050-8-10-20140221	480-55157-10	P,P'-DDT	2/27/2014	1.9	Yes	Y				1.9	0.20	ug/kg
CC-C-050-8-10-20140221	480-55157-10	TOXAPHENE	2/27/2014		Yes	N	U		U	19	11	ug/kg
CC-C-050-8-10-20140221	480-55157-10	GAMMA CHLORDANE	2/27/2014	1	Yes	Y	BJ	U	U	1.9	0.61	ug/kg
CC-C-050-8-10-20140221	480-55157-10	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	1.9	0.96	ug/kg

SDG: 480551571

Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-050-8-10-20140221	480-55157-10	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.9	0.35	ug/kg
CC-C-050-8-10-20140221	480-55157-10	ALDRIN	2/27/2014		Yes	N	U		U	1.9	0.47	ug/kg
CC-C-050-8-10-20140221	480-55157-10	HEPTACHLOR	2/27/2014		Yes	N	U		U	1.9	0.30	ug/kg
CC-C-050-8-10-20140221	480-55157-10	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.9	0.24	ug/kg
CC-C-051-0-2-20140221	480-55157-12	P,P'-DDD	2/27/2014		Yes	N	U		U	90	18	ug/kg
CC-C-051-0-2-20140221	480-55157-12	ALDRIN	2/27/2014		Yes	N	U		U	90	22	ug/kg
CC-C-051-0-2-20140221	480-55157-12	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	90	16	ug/kg
CC-C-051-0-2-20140221	480-55157-12	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	90	45	ug/kg
CC-C-051-0-2-20140221	480-55157-12	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	90	11	ug/kg
CC-C-051-0-2-20140221	480-55157-12	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	90	9.7	ug/kg
CC-C-051-0-2-20140221	480-55157-12	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	90	16	ug/kg
CC-C-051-0-2-20140221	480-55157-12	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	90	12	ug/kg
CC-C-051-0-2-20140221	480-55157-12	DIELDRIN	2/27/2014		Yes	N	U		U	90	22	ug/kg
CC-C-051-0-2-20140221	480-55157-12	TOXAPHENE	2/27/2014		Yes	N	U		U	900	520	ug/kg
CC-C-051-0-2-20140221	480-55157-12	P,P'-DDE	2/27/2014		Yes	N	U		U	90	14	ug/kg
CC-C-051-0-2-20140221	480-55157-12	METHOXYCHLOR	2/27/2014		Yes	N	U		U	90	12	ug/kg
CC-C-051-0-2-20140221	480-55157-12	ENDRIN	2/27/2014		Yes	N	U		U	90	12	ug/kg
CC-C-051-0-2-20140221	480-55157-12	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	90	23	ug/kg
CC-C-051-0-2-20140221	480-55157-12	HEPTACHLOR	2/27/2014		Yes	N	U		U	90	14	ug/kg
CC-C-051-0-2-20140221	480-55157-12	GAMMA CHLORDANE	2/27/2014	30	Yes	Y	BJ		J	90	29	ug/kg
CC-C-051-0-2-20140221	480-55157-12	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	90	11	ug/kg
CC-C-051-0-2-20140221	480-55157-12	ENDRIN KETONE	2/27/2014		Yes	N	U		U	90	22	ug/kg
CC-C-051-0-2-20140221	480-55157-12	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	90	23	ug/kg

SDG: 480551571

Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-051-0-2-20140221	480-55157-12	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	90	17	ug/kg
CC-C-051-0-2-20140221	480-55157-12	P,P'-DDT	2/27/2014	37	Yes	Y	J	U	U	90	9.2	ug/kg
CC-C-051-2-4-20140221	480-55157-13	ENDRIN KETONE	2/27/2014		Yes	N	U		U	93	23	ug/kg
CC-C-051-2-4-20140221	480-55157-13	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	93	24	ug/kg
CC-C-051-2-4-20140221	480-55157-13	ENDRIN	2/27/2014		Yes	N	U		U	93	13	ug/kg
CC-C-051-2-4-20140221	480-55157-13	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	93	17	ug/kg
CC-C-051-2-4-20140221	480-55157-13	DIELDRIN	2/27/2014		Yes	N	U		U	93	22	ug/kg
CC-C-051-2-4-20140221	480-55157-13	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	93	12	ug/kg
CC-C-051-2-4-20140221	480-55157-13	TOXAPHENE	2/27/2014		Yes	N	U		U	930	540	ug/kg
CC-C-051-2-4-20140221	480-55157-13	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	93	17	ug/kg
CC-C-051-2-4-20140221	480-55157-13	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	93	12	ug/kg
CC-C-051-2-4-20140221	480-55157-13	P,P'-DDE	2/27/2014	20	Yes	Y	J		J	93	14	ug/kg
CC-C-051-2-4-20140221	480-55157-13	ALDRIN	2/27/2014		Yes	N	U		U	93	23	ug/kg
CC-C-051-2-4-20140221	480-55157-13	P,P'-DDD	2/27/2014	25	Yes	Y	J		J	93	18	ug/kg
CC-C-051-2-4-20140221	480-55157-13	METHOXYCHLOR	2/27/2014		Yes	N	U		U	93	13	ug/kg
CC-C-051-2-4-20140221	480-55157-13	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	93	24	ug/kg
CC-C-051-2-4-20140221	480-55157-13	HEPTACHLOR	2/27/2014		Yes	N	U		U	93	15	ug/kg
CC-C-051-2-4-20140221	480-55157-13	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	93	10	ug/kg
CC-C-051-2-4-20140221	480-55157-13	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	93	11	ug/kg
CC-C-051-2-4-20140221	480-55157-13	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	93	17	ug/kg
CC-C-051-2-4-20140221	480-55157-13	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	93	46	ug/kg
CC-C-051-2-4-20140221	480-55157-13	P,P'-DDT	2/27/2014	42	Yes	Y	J		J	93	9.5	ug/kg
CC-C-051-2-4-20140221	480-55157-13	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	93	30	ug/kg
CC-C-051-8-10-20140221	480-55157-14	GAMMA CHLORDANE	2/27/2014	25	Yes	Y	BJ		J	39	12	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-051-8-10-20140221	480-55157-14	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	39	6.9	ug/kg
CC-C-051-8-10-20140221	480-55157-14	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	39	4.8	ug/kg
CC-C-051-8-10-20140221	480-55157-14	ENDRIN KETONE	2/27/2014		Yes	N	U		U	39	9.5	ug/kg
CC-C-051-8-10-20140221	480-55157-14	HEPTACHLOR	2/27/2014		Yes	N	U		U	39	6.0	ug/kg
CC-C-051-8-10-20140221	480-55157-14	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	39	9.9	ug/kg
CC-C-051-8-10-20140221	480-55157-14	METHOXYCHLOR	2/27/2014		Yes	N	U		U	39	5.3	ug/kg
CC-C-051-8-10-20140221	480-55157-14	P,P'-DDD	2/27/2014	29	Yes	Y	J		J	39	7.5	ug/kg
CC-C-051-8-10-20140221	480-55157-14	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	39	9.8	ug/kg
CC-C-051-8-10-20140221	480-55157-14	ENDRIN	2/27/2014		Yes	N	U		U	39	5.3	ug/kg
CC-C-051-8-10-20140221	480-55157-14	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	39	7.2	ug/kg
CC-C-051-8-10-20140221	480-55157-14	P,P'-DDE	2/27/2014	16	Yes	Y	J		J	39	5.8	ug/kg
CC-C-051-8-10-20140221	480-55157-14	TOXAPHENE	2/27/2014		Yes	N	U		U	390	220	ug/kg
CC-C-051-8-10-20140221	480-55157-14	P,P'-DDT	2/27/2014	22	Yes	Y	J		J	39	3.9	ug/kg
CC-C-051-8-10-20140221	480-55157-14	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	39	6.9	ug/kg
CC-C-051-8-10-20140221	480-55157-14	ALPHA CHLORDANE	2/27/2014	19	Yes	Y	J		J	39	19	ug/kg
CC-C-051-8-10-20140221	480-55157-14	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	39	4.8	ug/kg
CC-C-051-8-10-20140221	480-55157-14	DIELDRIN	2/27/2014	11	Yes	Y	J		J	39	9.2	ug/kg
CC-C-051-8-10-20140221	480-55157-14	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	39	4.2	ug/kg
CC-C-051-8-10-20140221	480-55157-14	ALDRIN	2/27/2014		Yes	N	U		U	39	9.5	ug/kg
CC-C-051-8-10-20140221	480-55157-14	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014	8.7	Yes	Y	BJ		J	39	5.1	ug/kg
CC-C-052-0-2-20140221	480-55157-15	HEPTACHLOR	2/27/2014		Yes	N	U		U	37	5.7	ug/kg
CC-C-052-0-2-20140221	480-55157-15	P,P'-DDD	2/27/2014		Yes	N	U		U	37	7.1	ug/kg
CC-C-052-0-2-20140221	480-55157-15	P,P'-DDE	2/27/2014	8.5	Yes	Y	J		J	37	5.5	ug/kg
CC-C-052-0-2-20140221	480-55157-15	ALDRIN	2/27/2014		Yes	N	U		U	37	9.0	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-052-0-2-20140221	480-55157-15	P,P'-DDT	2/27/2014		Yes	N	U		U	37	3.7	ug/kg
CC-C-052-0-2-20140221	480-55157-15	TOXAPHENE	2/27/2014		Yes	N	U		U	370	210	ug/kg
CC-C-052-0-2-20140221	480-55157-15	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	37	4.6	ug/kg
CC-C-052-0-2-20140221	480-55157-15	ENDRIN	2/27/2014		Yes	N	U		U	37	5.0	ug/kg
CC-C-052-0-2-20140221	480-55157-15	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	37	6.6	ug/kg
CC-C-052-0-2-20140221	480-55157-15	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	37	9.4	ug/kg
CC-C-052-0-2-20140221	480-55157-15	METHOXYCHLOR	2/27/2014		Yes	N	U		U	37	5.0	ug/kg
CC-C-052-0-2-20140221	480-55157-15	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	37	12	ug/kg
CC-C-052-0-2-20140221	480-55157-15	DIELDRIN	2/27/2014		Yes	N	U		U	37	8.7	ug/kg
CC-C-052-0-2-20140221	480-55157-15	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	37	4.8	ug/kg
CC-C-052-0-2-20140221	480-55157-15	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	37	6.6	ug/kg
CC-C-052-0-2-20140221	480-55157-15	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	37	18	ug/kg
CC-C-052-0-2-20140221	480-55157-15	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	37	4.5	ug/kg
CC-C-052-0-2-20140221	480-55157-15	ENDRIN KETONE	2/27/2014		Yes	N	U		U	37	9.0	ug/kg
CC-C-052-0-2-20140221	480-55157-15	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	37	9.3	ug/kg
CC-C-052-0-2-20140221	480-55157-15	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	37	3.9	ug/kg
CC-C-052-0-2-20140221	480-55157-15	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	37	6.8	ug/kg
CC-C-052-2-4-20140221	480-55157-16	TOXAPHENE	2/27/2014		Yes	N	U		U	370	220	ug/kg
CC-C-052-2-4-20140221	480-55157-16	P,P'-DDT	2/27/2014	18	Yes	Y	J		J	37	3.8	ug/kg
CC-C-052-2-4-20140221	480-55157-16	P,P'-DDE	2/27/2014	14	Yes	Y	J		J	37	5.5	ug/kg
CC-C-052-2-4-20140221	480-55157-16	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	37	9.5	ug/kg
CC-C-052-2-4-20140221	480-55157-16	DIELDRIN	2/27/2014		Yes	N	U		U	37	8.9	ug/kg
CC-C-052-2-4-20140221	480-55157-16	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	37	6.9	ug/kg
CC-C-052-2-4-20140221	480-55157-16	ENDRIN	2/27/2014		Yes	N	U		U	37	5.1	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-052-2-4-20140221	480-55157-16	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	37	9.4	ug/kg
CC-C-052-2-4-20140221	480-55157-16	ENDRIN KETONE	2/27/2014		Yes	N	U		U	37	9.1	ug/kg
CC-C-052-2-4-20140221	480-55157-16	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	37	4.6	ug/kg
CC-C-052-2-4-20140221	480-55157-16	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	37	6.7	ug/kg
CC-C-052-2-4-20140221	480-55157-16	HEPTACHLOR	2/27/2014		Yes	N	U		U	37	5.8	ug/kg
CC-C-052-2-4-20140221	480-55157-16	ALDRIN	2/27/2014		Yes	N	U		U	37	9.1	ug/kg
CC-C-052-2-4-20140221	480-55157-16	P,P'-DDD	2/27/2014	15	Yes	Y	J		J	37	7.2	ug/kg
CC-C-052-2-4-20140221	480-55157-16	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	37	6.7	ug/kg
CC-C-052-2-4-20140221	480-55157-16	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	37	4.0	ug/kg
CC-C-052-2-4-20140221	480-55157-16	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	37	4.7	ug/kg
CC-C-052-2-4-20140221	480-55157-16	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014	13	Yes	Y	BJ		J	37	4.9	ug/kg
CC-C-052-2-4-20140221	480-55157-16	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	37	18	ug/kg
CC-C-052-2-4-20140221	480-55157-16	METHOXYCHLOR	2/27/2014		Yes	N	U		U	37	5.1	ug/kg
CC-C-052-2-4-20140221	480-55157-16	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	37	12	ug/kg
CC-C-052-8-10-20140221	480-55157-17	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	9.9	1.1	ug/kg
CC-C-052-8-10-20140221	480-55157-17	DIELDRIN	2/27/2014		Yes	N	U		U	9.9	2.4	ug/kg
CC-C-052-8-10-20140221	480-55157-17	ENDRIN	2/27/2014		Yes	N	U		U	9.9	1.4	ug/kg
CC-C-052-8-10-20140221	480-55157-17	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	9.9	1.8	ug/kg
CC-C-052-8-10-20140221	480-55157-17	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	9.9	2.6	ug/kg
CC-C-052-8-10-20140221	480-55157-17	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	9.9	1.2	ug/kg
CC-C-052-8-10-20140221	480-55157-17	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	9.9	4.9	ug/kg
CC-C-052-8-10-20140221	480-55157-17	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	9.9	1.8	ug/kg
CC-C-052-8-10-20140221	480-55157-17	ALDRIN	2/27/2014		Yes	N	U		U	9.9	2.4	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-052-8-10-20140221	480-55157-17	TOXAPHENE	2/27/2014		Yes	N	U		U	99	58	ug/kg
CC-C-052-8-10-20140221	480-55157-17	P,P'-DDT	2/27/2014		Yes	N	U		U	9.9	1.0	ug/kg
CC-C-052-8-10-20140221	480-55157-17	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	9.9	3.1	ug/kg
CC-C-052-8-10-20140221	480-55157-17	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	9.9	1.3	ug/kg
CC-C-052-8-10-20140221	480-55157-17	P,P'-DDE	2/27/2014		Yes	N	U		U	9.9	1.5	ug/kg
CC-C-052-8-10-20140221	480-55157-17	HEPTACHLOR	2/27/2014		Yes	N	U		U	9.9	1.5	ug/kg
CC-C-052-8-10-20140221	480-55157-17	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	9.9	1.2	ug/kg
CC-C-052-8-10-20140221	480-55157-17	ENDRIN KETONE	2/27/2014		Yes	N	U		U	9.9	2.4	ug/kg
CC-C-052-8-10-20140221	480-55157-17	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	9.9	2.5	ug/kg
CC-C-052-8-10-20140221	480-55157-17	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	9.9	1.8	ug/kg
CC-C-052-8-10-20140221	480-55157-17	METHOXYCHLOR	2/27/2014		Yes	N	U		U	9.9	1.4	ug/kg
CC-C-052-8-10-20140221	480-55157-17	P,P'-DDD	2/27/2014		Yes	N	U		U	9.9	1.9	ug/kg
dup027-20140221	480-55157-11	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	2.0	0.98	ug/kg
dup027-20140221	480-55157-11	HEPTACHLOR	2/27/2014		Yes	N	U		U	2.0	0.31	ug/kg
dup027-20140221	480-55157-11	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	2.0	0.37	ug/kg
dup027-20140221	480-55157-11	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	2.0	0.24	ug/kg
dup027-20140221	480-55157-11	ENDRIN KETONE	2/27/2014		Yes	N	U		U	2.0	0.48	ug/kg
dup027-20140221	480-55157-11	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	2.0	0.50	ug/kg
dup027-20140221	480-55157-11	ENDRIN	2/27/2014	0.7	Yes	Y	J		J	2.0	0.27	ug/kg
dup027-20140221	480-55157-11	GAMMA CHLORDANE	2/27/2014	1.4	Yes	Y	BJ	U	U	2.0	0.63	ug/kg
dup027-20140221	480-55157-11	DIELDRIN	2/27/2014	1	Yes	Y	J		J	2.0	0.47	ug/kg
dup027-20140221	480-55157-11	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014	0.77	Yes	Y	BJ	U	U	2.0	0.26	ug/kg
dup027-20140221	480-55157-11	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	2.0	0.35	ug/kg
dup027-20140221	480-55157-11	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	2.0	0.25	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
dup027-20140221	480-55157-11	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	2.0	0.35	ug/kg
dup027-20140221	480-55157-11	ALDRIN	2/27/2014		Yes	N	U		U	2.0	0.48	ug/kg
dup027-20140221	480-55157-11	P,P'-DDT	2/27/2014	4.9	Yes	Y				2.0	0.20	ug/kg
dup027-20140221	480-55157-11	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	2.0	0.21	ug/kg
dup027-20140221	480-55157-11	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	2.0	0.51	ug/kg
dup027-20140221	480-55157-11	TOXAPHENE	2/27/2014		Yes	N	U		U	20	11	ug/kg
dup027-20140221	480-55157-11	P,P'-DDE	2/27/2014	1.8	Yes	Y	J		J	2.0	0.30	ug/kg
dup027-20140221	480-55157-11	P,P'-DDD	2/27/2014	0.69	Yes	Y	J		J	2.0	0.38	ug/kg
dup027-20140221	480-55157-11	METHOXYCHLOR	2/27/2014	2.8	Yes	Y				2.0	0.27	ug/kg
FB028-20140221	480-55157-32	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	0.053	0.0070	ug/l
FB028-20140221	480-55157-32	ENDRIN KETONE	2/26/2014		Yes	N	U		U	0.053	0.013	ug/l
FB028-20140221	480-55157-32	GAMMA BHC (LINDANE)	2/26/2014		Yes	N	U		U	0.053	0.0063	ug/l
FB028-20140221	480-55157-32	ENDRIN ALDEHYDE	2/26/2014		Yes	N	U		U	0.053	0.017	ug/l
FB028-20140221	480-55157-32	HEPTACHLOR	2/26/2014		Yes	N	U		U	0.053	0.0090	ug/l
FB028-20140221	480-55157-32	BETA ENDOSULFAN	2/26/2014		Yes	N	U		U	0.053	0.013	ug/l
FB028-20140221	480-55157-32	GAMMA CHLORDANE	2/26/2014		Yes	N	U		U	0.053	0.012	ug/l
FB028-20140221	480-55157-32	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	0.053	0.026	ug/l
FB028-20140221	480-55157-32	ALPHA CHLORDANE	2/26/2014		Yes	N	U		U	0.053	0.016	ug/l
FB028-20140221	480-55157-32	ALDRIN	2/26/2014		Yes	N	U		U	0.053	0.0070	ug/l
FB028-20140221	480-55157-32	P,P'-DDE	2/26/2014		Yes	N	U		U	0.053	0.012	ug/l
FB028-20140221	480-55157-32	HEPTACHLOR EPOXIDE	2/26/2014		Yes	N	U		U	0.053	0.0056	ug/l
FB028-20140221	480-55157-32	METHOXYCHLOR	2/26/2014		Yes	N	U		U	0.053	0.015	ug/l
FB028-20140221	480-55157-32	ALPHA ENDOSULFAN	2/26/2014		Yes	N	U		U	0.053	0.012	ug/l

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB028-20140221	480-55157-32	P,P'-DDD	2/26/2014		Yes	N	U		U	0.053	0.0097	ug/l
FB028-20140221	480-55157-32	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/26/2014		Yes	N	U		U	0.053	0.011	ug/l
FB028-20140221	480-55157-32	P,P'-DDT	2/26/2014		Yes	N	U		U	0.053	0.012	ug/l
FB028-20140221	480-55157-32	TOXAPHENE	2/26/2014		Yes	N	U		U	0.53	0.13	ug/l
FB028-20140221	480-55157-32	ENDRIN	2/26/2014		Yes	N	U		U	0.053	0.015	ug/l
FB028-20140221	480-55157-32	ENDOSULFAN SULFATE	2/26/2014		Yes	N	U		U	0.053	0.017	ug/l
FB028-20140221	480-55157-32	DIELDRIN	2/26/2014		Yes	N	U		U	0.053	0.010	ug/l
LT-C-053-0-2-20140221	480-55157-24	ENDRIN KETONE	2/27/2014		Yes	N	U		U	93	23	ug/kg
LT-C-053-0-2-20140221	480-55157-24	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	93	11	ug/kg
LT-C-053-0-2-20140221	480-55157-24	P,P'-DDT	2/27/2014	50	Yes	Y	J		J	93	9.4	ug/kg
LT-C-053-0-2-20140221	480-55157-24	HEPTACHLOR	2/27/2014		Yes	N	U		U	93	14	ug/kg
LT-C-053-0-2-20140221	480-55157-24	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	93	24	ug/kg
LT-C-053-0-2-20140221	480-55157-24	METHOXYCHLOR	2/27/2014		Yes	N	U		U	93	13	ug/kg
LT-C-053-0-2-20140221	480-55157-24	P,P'-DDD	2/27/2014	35	Yes	Y	J		J	93	18	ug/kg
LT-C-053-0-2-20140221	480-55157-24	P,P'-DDE	2/27/2014	42	Yes	Y	J		J	93	14	ug/kg
LT-C-053-0-2-20140221	480-55157-24	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	93	29	ug/kg
LT-C-053-0-2-20140221	480-55157-24	TOXAPHENE	2/27/2014		Yes	N	U		U	930	540	ug/kg
LT-C-053-0-2-20140221	480-55157-24	ENDRIN	2/27/2014		Yes	N	U		U	93	13	ug/kg
LT-C-053-0-2-20140221	480-55157-24	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	93	17	ug/kg
LT-C-053-0-2-20140221	480-55157-24	DIELDRIN	2/27/2014		Yes	N	U		U	93	22	ug/kg
LT-C-053-0-2-20140221	480-55157-24	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	93	12	ug/kg
LT-C-053-0-2-20140221	480-55157-24	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	93	17	ug/kg
LT-C-053-0-2-20140221	480-55157-24	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	93	10	ug/kg
LT-C-053-0-2-20140221	480-55157-24	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	93	12	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-053-0-2-20140221	480-55157-24	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	93	46	ug/kg
LT-C-053-0-2-20140221	480-55157-24	ALDRIN	2/27/2014		Yes	N	U		U	93	23	ug/kg
LT-C-053-0-2-20140221	480-55157-24	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	93	24	ug/kg
LT-C-053-0-2-20140221	480-55157-24	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	93	17	ug/kg
LT-C-053-4-6-20140221	480-55157-25	ENDRIN KETONE	2/27/2014		Yes	N	U		U	9.8	2.4	ug/kg
LT-C-053-4-6-20140221	480-55157-25	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	9.8	1.3	ug/kg
LT-C-053-4-6-20140221	480-55157-25	ALDRIN	2/27/2014		Yes	N	U		U	9.8	2.4	ug/kg
LT-C-053-4-6-20140221	480-55157-25	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	9.8	1.8	ug/kg
LT-C-053-4-6-20140221	480-55157-25	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	9.8	4.9	ug/kg
LT-C-053-4-6-20140221	480-55157-25	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	9.8	1.2	ug/kg
LT-C-053-4-6-20140221	480-55157-25	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	9.8	1.8	ug/kg
LT-C-053-4-6-20140221	480-55157-25	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	9.8	1.8	ug/kg
LT-C-053-4-6-20140221	480-55157-25	DIELDRIN	2/27/2014		Yes	N	U		U	9.8	2.4	ug/kg
LT-C-053-4-6-20140221	480-55157-25	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	9.8	2.5	ug/kg
LT-C-053-4-6-20140221	480-55157-25	TOXAPHENE	2/27/2014		Yes	N	U		U	98	57	ug/kg
LT-C-053-4-6-20140221	480-55157-25	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	9.8	1.2	ug/kg
LT-C-053-4-6-20140221	480-55157-25	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	9.8	3.1	ug/kg
LT-C-053-4-6-20140221	480-55157-25	HEPTACHLOR	2/27/2014		Yes	N	U		U	9.8	1.5	ug/kg
LT-C-053-4-6-20140221	480-55157-25	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	9.8	2.5	ug/kg
LT-C-053-4-6-20140221	480-55157-25	METHOXYCHLOR	2/27/2014		Yes	N	U		U	9.8	1.4	ug/kg
LT-C-053-4-6-20140221	480-55157-25	P,P'-DDD	2/27/2014		Yes	N	U		U	9.8	1.9	ug/kg
LT-C-053-4-6-20140221	480-55157-25	P,P'-DDE	2/27/2014	3	Yes	Y	J		J	9.8	1.5	ug/kg
LT-C-053-4-6-20140221	480-55157-25	P,P'-DDT	2/27/2014		Yes	N	U		U	9.8	1.0	ug/kg
LT-C-053-4-6-20140221	480-55157-25	ENDRIN	2/27/2014		Yes	N	U		U	9.8	1.4	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-053-4-6-20140221	480-55157-25	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	9.8	1.1	ug/kg
LT-C-053-6-8-20140221	480-55157-26	P,P'-DDT	2/27/2014		Yes	N	U		U	18	1.9	ug/kg
LT-C-053-6-8-20140221	480-55157-26	ALDRIN	2/27/2014		Yes	N	U		U	18	4.5	ug/kg
LT-C-053-6-8-20140221	480-55157-26	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	18	3.3	ug/kg
LT-C-053-6-8-20140221	480-55157-26	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	18	9.2	ug/kg
LT-C-053-6-8-20140221	480-55157-26	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	18	2.3	ug/kg
LT-C-053-6-8-20140221	480-55157-26	TOXAPHENE	2/27/2014		Yes	N	U	UJ	UJ	180	110	ug/kg
LT-C-053-6-8-20140221	480-55157-26	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	18	2.0	ug/kg
LT-C-053-6-8-20140221	480-55157-26	P,P'-DDE	2/27/2014		Yes	N	U		U	18	2.8	ug/kg
LT-C-053-6-8-20140221	480-55157-26	P,P'-DDD	2/27/2014		Yes	N	U		U	18	3.6	ug/kg
LT-C-053-6-8-20140221	480-55157-26	METHOXYCHLOR	2/27/2014		Yes	N	U		U	18	2.5	ug/kg
LT-C-053-6-8-20140221	480-55157-26	HEPTACHLOR	2/27/2014		Yes	N	U		U	18	2.9	ug/kg
LT-C-053-6-8-20140221	480-55157-26	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	18	5.9	ug/kg
LT-C-053-6-8-20140221	480-55157-26	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	18	2.3	ug/kg
LT-C-053-6-8-20140221	480-55157-26	ENDRIN KETONE	2/27/2014		Yes	N	U		U	18	4.5	ug/kg
LT-C-053-6-8-20140221	480-55157-26	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	18	4.7	ug/kg
LT-C-053-6-8-20140221	480-55157-26	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	18	2.4	ug/kg
LT-C-053-6-8-20140221	480-55157-26	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	18	4.8	ug/kg
LT-C-053-6-8-20140221	480-55157-26	DIELDRIN	2/27/2014		Yes	N	U		U	18	4.4	ug/kg
LT-C-053-6-8-20140221	480-55157-26	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	18	3.3	ug/kg
LT-C-053-6-8-20140221	480-55157-26	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	18	3.4	ug/kg
LT-C-053-6-8-20140221	480-55157-26	ENDRIN	2/27/2014		Yes	N	U		U	18	2.5	ug/kg
LT-C-054-0-2-20140221	480-55157-27	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	18	3.3	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-054-0-2-20140221	480-55157-27	DIELDRIN	2/27/2014		Yes	N	U		U	18	4.4	ug/kg
LT-C-054-0-2-20140221	480-55157-27	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	18	2.4	ug/kg
LT-C-054-0-2-20140221	480-55157-27	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	18	3.3	ug/kg
LT-C-054-0-2-20140221	480-55157-27	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	18	2.0	ug/kg
LT-C-054-0-2-20140221	480-55157-27	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	18	9.1	ug/kg
LT-C-054-0-2-20140221	480-55157-27	ALDRIN	2/27/2014		Yes	N	U		U	18	4.5	ug/kg
LT-C-054-0-2-20140221	480-55157-27	ENDRIN KETONE	2/27/2014		Yes	N	U		U	18	4.5	ug/kg
LT-C-054-0-2-20140221	480-55157-27	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	18	4.7	ug/kg
LT-C-054-0-2-20140221	480-55157-27	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	18	2.3	ug/kg
LT-C-054-0-2-20140221	480-55157-27	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	18	3.4	ug/kg
LT-C-054-0-2-20140221	480-55157-27	ENDRIN	2/27/2014		Yes	N	U		U	18	2.5	ug/kg
LT-C-054-0-2-20140221	480-55157-27	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	18	2.3	ug/kg
LT-C-054-0-2-20140221	480-55157-27	HEPTACHLOR	2/27/2014		Yes	N	U		U	18	2.9	ug/kg
LT-C-054-0-2-20140221	480-55157-27	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	18	4.7	ug/kg
LT-C-054-0-2-20140221	480-55157-27	METHOXYCHLOR	2/27/2014	9	Yes	Y	J		J	18	2.5	ug/kg
LT-C-054-0-2-20140221	480-55157-27	P,P'-DDD	2/27/2014	6.2	Yes	Y	J		J	18	3.6	ug/kg
LT-C-054-0-2-20140221	480-55157-27	P,P'-DDE	2/27/2014	8.6	Yes	Y	J		J	18	2.7	ug/kg
LT-C-054-0-2-20140221	480-55157-27	P,P'-DDT	2/27/2014	10	Yes	Y	J		J	18	1.9	ug/kg
LT-C-054-0-2-20140221	480-55157-27	TOXAPHENE	2/27/2014		Yes	N	U		U	180	110	ug/kg
LT-C-054-0-2-20140221	480-55157-27	GAMMA CHLORDANE	2/27/2014	7	Yes	Y	J		J	18	5.8	ug/kg
LT-C-054-2-4-20140221	480-55157-28	P,P'-DDE	2/27/2014	0.53	Yes	Y	J		J	1.8	0.27	ug/kg
LT-C-054-2-4-20140221	480-55157-28	ALDRIN	2/27/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-C-054-2-4-20140221	480-55157-28	TOXAPHENE	2/27/2014		Yes	N	U		U	18	10	ug/kg
LT-C-054-2-4-20140221	480-55157-28	P,P'-DDT	2/27/2014	0.7	Yes	Y	J		J	1.8	0.18	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-054-2-4-20140221	480-55157-28	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-C-054-2-4-20140221	480-55157-28	HEPTACHLOR	2/27/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-C-054-2-4-20140221	480-55157-28	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-C-054-2-4-20140221	480-55157-28	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-C-054-2-4-20140221	480-55157-28	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.8	0.19	ug/kg
LT-C-054-2-4-20140221	480-55157-28	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-C-054-2-4-20140221	480-55157-28	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	1.8	0.89	ug/kg
LT-C-054-2-4-20140221	480-55157-28	DIELDRIN	2/27/2014		Yes	N	U		U	1.8	0.43	ug/kg
LT-C-054-2-4-20140221	480-55157-28	P,P'-DDD	2/27/2014		Yes	N	U		U	1.8	0.35	ug/kg
LT-C-054-2-4-20140221	480-55157-28	ENDRIN	2/27/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-C-054-2-4-20140221	480-55157-28	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-C-054-2-4-20140221	480-55157-28	ENDRIN KETONE	2/27/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-C-054-2-4-20140221	480-55157-28	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	1.8	0.57	ug/kg
LT-C-054-2-4-20140221	480-55157-28	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-C-054-2-4-20140221	480-55157-28	METHOXYCHLOR	2/27/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-C-054-2-4-20140221	480-55157-28	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-C-054-2-4-20140221	480-55157-28	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-C-057-0-2-20140221	480-55157-29	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	8.9	2.8	ug/kg
LT-C-057-0-2-20140221	480-55157-29	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	8.9	1.1	ug/kg
LT-C-057-0-2-20140221	480-55157-29	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	8.9	0.96	ug/kg
LT-C-057-0-2-20140221	480-55157-29	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	8.9	1.6	ug/kg
LT-C-057-0-2-20140221	480-55157-29	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	8.9	1.2	ug/kg
LT-C-057-0-2-20140221	480-55157-29	DIELDRIN	2/27/2014		Yes	N	U		U	8.9	2.1	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-057-0-2-20140221	480-55157-29	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	8.9	1.7	ug/kg
LT-C-057-0-2-20140221	480-55157-29	ENDRIN	2/27/2014		Yes	N	U		U	8.9	1.2	ug/kg
LT-C-057-0-2-20140221	480-55157-29	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	8.9	2.3	ug/kg
LT-C-057-0-2-20140221	480-55157-29	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	8.9	4.4	ug/kg
LT-C-057-0-2-20140221	480-55157-29	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	8.9	1.1	ug/kg
LT-C-057-0-2-20140221	480-55157-29	P,P'-DDT	2/27/2014	3.6	Yes	Y	J		J	8.9	0.91	ug/kg
LT-C-057-0-2-20140221	480-55157-29	HEPTACHLOR	2/27/2014		Yes	N	U		U	8.9	1.4	ug/kg
LT-C-057-0-2-20140221	480-55157-29	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	8.9	2.3	ug/kg
LT-C-057-0-2-20140221	480-55157-29	METHOXYCHLOR	2/27/2014		Yes	N	U		U	8.9	1.2	ug/kg
LT-C-057-0-2-20140221	480-55157-29	P,P'-DDD	2/27/2014		Yes	N	U		U	8.9	1.7	ug/kg
LT-C-057-0-2-20140221	480-55157-29	P,P'-DDE	2/27/2014	2.4	Yes	Y	J		J	8.9	1.3	ug/kg
LT-C-057-0-2-20140221	480-55157-29	TOXAPHENE	2/27/2014		Yes	N	U		U	89	52	ug/kg
LT-C-057-0-2-20140221	480-55157-29	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	8.9	1.6	ug/kg
LT-C-057-0-2-20140221	480-55157-29	ENDRIN KETONE	2/27/2014		Yes	N	U		U	8.9	2.2	ug/kg
LT-C-057-0-2-20140221	480-55157-29	ALDRIN	2/27/2014		Yes	N	U		U	8.9	2.2	ug/kg
LT-C-057-2-4-20140221	480-55157-30	TOXAPHENE	2/27/2014		Yes	N	U		U	19	11	ug/kg
LT-C-057-2-4-20140221	480-55157-30	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	1.9	0.48	ug/kg
LT-C-057-2-4-20140221	480-55157-30	P,P'-DDT	2/27/2014	0.74	Yes	Y	J		J	1.9	0.19	ug/kg
LT-C-057-2-4-20140221	480-55157-30	METHOXYCHLOR	2/27/2014	0.98	Yes	Y	J		J	1.9	0.26	ug/kg
LT-C-057-2-4-20140221	480-55157-30	P,P'-DDD	2/27/2014		Yes	N	U		U	1.9	0.36	ug/kg
LT-C-057-2-4-20140221	480-55157-30	ENDRIN KETONE	2/27/2014		Yes	N	U		U	1.9	0.46	ug/kg
LT-C-057-2-4-20140221	480-55157-30	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	1.9	0.48	ug/kg
LT-C-057-2-4-20140221	480-55157-30	ENDRIN	2/27/2014		Yes	N	U		U	1.9	0.26	ug/kg
LT-C-057-2-4-20140221	480-55157-30	HEPTACHLOR	2/27/2014		Yes	N	U		U	1.9	0.29	ug/kg

SDG: 480551571

Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-057-2-4-20140221	480-55157-30	P,P'-DDE	2/27/2014		Yes	N	U		U	1.9	0.28	ug/kg
LT-C-057-2-4-20140221	480-55157-30	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	1.9	0.23	ug/kg
LT-C-057-2-4-20140221	480-55157-30	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	1.9	0.35	ug/kg
LT-C-057-2-4-20140221	480-55157-30	DIELDRIN	2/27/2014		Yes	N	U		U	1.9	0.45	ug/kg
LT-C-057-2-4-20140221	480-55157-30	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.9	0.25	ug/kg
LT-C-057-2-4-20140221	480-55157-30	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.9	0.34	ug/kg
LT-C-057-2-4-20140221	480-55157-30	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.9	0.20	ug/kg
LT-C-057-2-4-20140221	480-55157-30	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.9	0.24	ug/kg
LT-C-057-2-4-20140221	480-55157-30	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	1.9	0.93	ug/kg
LT-C-057-2-4-20140221	480-55157-30	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.9	0.34	ug/kg
LT-C-057-2-4-20140221	480-55157-30	ALDRIN	2/27/2014		Yes	N	U		U	1.9	0.46	ug/kg
LT-C-057-2-4-20140221	480-55157-30	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	1.9	0.60	ug/kg
LT-C-057-6-8-20140221	480-55157-31	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	9.2	0.99	ug/kg
LT-C-057-6-8-20140221	480-55157-31	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	9.2	1.1	ug/kg
LT-C-057-6-8-20140221	480-55157-31	ALDRIN	2/27/2014		Yes	N	U		U	9.2	2.3	ug/kg
LT-C-057-6-8-20140221	480-55157-31	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	9.2	1.6	ug/kg
LT-C-057-6-8-20140221	480-55157-31	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	9.2	1.2	ug/kg
LT-C-057-6-8-20140221	480-55157-31	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	9.2	4.6	ug/kg
LT-C-057-6-8-20140221	480-55157-31	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	9.2	1.6	ug/kg
LT-C-057-6-8-20140221	480-55157-31	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	9.2	1.2	ug/kg
LT-C-057-6-8-20140221	480-55157-31	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	9.2	1.7	ug/kg
LT-C-057-6-8-20140221	480-55157-31	P,P'-DDE	2/27/2014	2.7	Yes	Y	J		J	9.2	1.4	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-057-6-8-20140221	480-55157-31	P,P'-DDD	2/27/2014	2.5	Yes	Y	J		J	9.2	1.8	ug/kg
LT-C-057-6-8-20140221	480-55157-31	METHOXYCHLOR	2/27/2014		Yes	N	U		U	9.2	1.3	ug/kg
LT-C-057-6-8-20140221	480-55157-31	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	9.2	2.4	ug/kg
LT-C-057-6-8-20140221	480-55157-31	DIELDRIN	2/27/2014		Yes	N	U		U	9.2	2.2	ug/kg
LT-C-057-6-8-20140221	480-55157-31	TOXAPHENE	2/27/2014		Yes	N	U		U	92	53	ug/kg
LT-C-057-6-8-20140221	480-55157-31	HEPTACHLOR	2/27/2014		Yes	N	U		U	9.2	1.4	ug/kg
LT-C-057-6-8-20140221	480-55157-31	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	9.2	2.9	ug/kg
LT-C-057-6-8-20140221	480-55157-31	ENDRIN	2/27/2014		Yes	N	U		U	9.2	1.3	ug/kg
LT-C-057-6-8-20140221	480-55157-31	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	9.2	2.3	ug/kg
LT-C-057-6-8-20140221	480-55157-31	ENDRIN KETONE	2/27/2014		Yes	N	U		U	9.2	2.3	ug/kg
LT-C-057-6-8-20140221	480-55157-31	P,P'-DDT	2/27/2014		Yes	N	U		U	9.2	0.93	ug/kg
LT-G-026-0-2-20140221	480-55157-18	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	41	7.5	ug/kg
LT-G-026-0-2-20140221	480-55157-18	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	41	7.3	ug/kg
LT-G-026-0-2-20140221	480-55157-18	ALDRIN	2/27/2014		Yes	N	U		U	41	9.9	ug/kg
LT-G-026-0-2-20140221	480-55157-18	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	41	20	ug/kg
LT-G-026-0-2-20140221	480-55157-18	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	41	5.1	ug/kg
LT-G-026-0-2-20140221	480-55157-18	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	41	4.4	ug/kg
LT-G-026-0-2-20140221	480-55157-18	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	41	13	ug/kg
LT-G-026-0-2-20140221	480-55157-18	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	41	10	ug/kg
LT-G-026-0-2-20140221	480-55157-18	METHOXYCHLOR	2/27/2014		Yes	N	U		U	41	5.6	ug/kg
LT-G-026-0-2-20140221	480-55157-18	P,P'-DDD	2/27/2014		Yes	N	U		U	41	7.9	ug/kg
LT-G-026-0-2-20140221	480-55157-18	P,P'-DDE	2/27/2014		Yes	N	U		U	41	6.1	ug/kg
LT-G-026-0-2-20140221	480-55157-18	P,P'-DDT	2/27/2014		Yes	N	U		U	41	4.1	ug/kg
LT-G-026-0-2-20140221	480-55157-18	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	41	5.3	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-026-0-2-20140221	480-55157-18	TOXAPHENE	2/27/2014		Yes	N	U		U	410	240	ug/kg
LT-G-026-0-2-20140221	480-55157-18	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	41	7.3	ug/kg
LT-G-026-0-2-20140221	480-55157-18	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	41	5.0	ug/kg
LT-G-026-0-2-20140221	480-55157-18	ENDRIN KETONE	2/27/2014		Yes	N	U		U	41	9.9	ug/kg
LT-G-026-0-2-20140221	480-55157-18	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	41	10	ug/kg
LT-G-026-0-2-20140221	480-55157-18	ENDRIN	2/27/2014		Yes	N	U		U	41	5.6	ug/kg
LT-G-026-0-2-20140221	480-55157-18	HEPTACHLOR	2/27/2014		Yes	N	U		U	41	6.3	ug/kg
LT-G-026-0-2-20140221	480-55157-18	DIELDRIN	2/27/2014		Yes	N	U		U	41	9.7	ug/kg
LT-G-026-4-6-20140221	480-55157-19	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	1.8	0.59	ug/kg
LT-G-026-4-6-20140221	480-55157-19	HEPTACHLOR	2/27/2014		Yes	N	U		U	1.8	0.29	ug/kg
LT-G-026-4-6-20140221	480-55157-19	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.8	0.20	ug/kg
LT-G-026-4-6-20140221	480-55157-19	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-026-4-6-20140221	480-55157-19	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-026-4-6-20140221	480-55157-19	DIELDRIN	2/27/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-026-4-6-20140221	480-55157-19	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	1.8	0.34	ug/kg
LT-G-026-4-6-20140221	480-55157-19	ENDRIN	2/27/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-026-4-6-20140221	480-55157-19	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-026-4-6-20140221	480-55157-19	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-026-4-6-20140221	480-55157-19	P,P'-DDT	2/27/2014		Yes	N	U		U	1.8	0.19	ug/kg
LT-G-026-4-6-20140221	480-55157-19	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	1.8	0.48	ug/kg
LT-G-026-4-6-20140221	480-55157-19	METHOXYCHLOR	2/27/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-026-4-6-20140221	480-55157-19	P,P'-DDD	2/27/2014		Yes	N	U		U	1.8	0.36	ug/kg
LT-G-026-4-6-20140221	480-55157-19	P,P'-DDE	2/27/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-G-026-4-6-20140221	480-55157-19	TOXAPHENE	2/27/2014		Yes	N	U		U	18	11	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-026-4-6-20140221	480-55157-19	ENDRIN KETONE	2/27/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-G-026-4-6-20140221	480-55157-19	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	1.8	0.47	ug/kg
LT-G-026-4-6-20140221	480-55157-19	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-026-4-6-20140221	480-55157-19	ALDRIN	2/27/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-G-026-4-6-20140221	480-55157-19	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	1.8	0.92	ug/kg
LT-G-026-6-8-20140221	480-55157-20	P,P'-DDE	2/27/2014		Yes	N	U		U	1.9	0.28	ug/kg
LT-G-026-6-8-20140221	480-55157-20	ENDRIN	2/27/2014		Yes	N	U		U	1.9	0.26	ug/kg
LT-G-026-6-8-20140221	480-55157-20	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	1.9	0.35	ug/kg
LT-G-026-6-8-20140221	480-55157-20	DIELDRIN	2/27/2014		Yes	N	U		U	1.9	0.45	ug/kg
LT-G-026-6-8-20140221	480-55157-20	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.9	0.25	ug/kg
LT-G-026-6-8-20140221	480-55157-20	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.9	0.34	ug/kg
LT-G-026-6-8-20140221	480-55157-20	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.9	0.20	ug/kg
LT-G-026-6-8-20140221	480-55157-20	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.9	0.24	ug/kg
LT-G-026-6-8-20140221	480-55157-20	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	1.9	0.94	ug/kg
LT-G-026-6-8-20140221	480-55157-20	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.9	0.34	ug/kg
LT-G-026-6-8-20140221	480-55157-20	ALDRIN	2/27/2014		Yes	N	U		U	1.9	0.46	ug/kg
LT-G-026-6-8-20140221	480-55157-20	P,P'-DDT	2/27/2014		Yes	N	U		U	1.9	0.19	ug/kg
LT-G-026-6-8-20140221	480-55157-20	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	1.9	0.60	ug/kg
LT-G-026-6-8-20140221	480-55157-20	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	1.9	0.48	ug/kg
LT-G-026-6-8-20140221	480-55157-20	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	1.9	0.23	ug/kg
LT-G-026-6-8-20140221	480-55157-20	HEPTACHLOR	2/27/2014		Yes	N	U		U	1.9	0.30	ug/kg
LT-G-026-6-8-20140221	480-55157-20	TOXAPHENE	2/27/2014		Yes	N	U		U	19	11	ug/kg
LT-G-026-6-8-20140221	480-55157-20	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	1.9	0.49	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-026-6-8-20140221	480-55157-20	METHOXYCHLOR	2/27/2014		Yes	N	U		U	1.9	0.26	ug/kg
LT-G-026-6-8-20140221	480-55157-20	P,P'-DDD	2/27/2014		Yes	N	U		U	1.9	0.37	ug/kg
LT-G-026-6-8-20140221	480-55157-20	ENDRIN KETONE	2/27/2014		Yes	N	U		U	1.9	0.46	ug/kg
LT-G-027-0-2-20140221	480-55157-21	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.9	0.35	ug/kg
LT-G-027-0-2-20140221	480-55157-21	P,P'-DDD	2/27/2014		Yes	N	U		U	1.9	0.38	ug/kg
LT-G-027-0-2-20140221	480-55157-21	METHOXYCHLOR	2/27/2014	1	Yes	Y	J		J	1.9	0.27	ug/kg
LT-G-027-0-2-20140221	480-55157-21	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	1.9	0.50	ug/kg
LT-G-027-0-2-20140221	480-55157-21	HEPTACHLOR	2/27/2014		Yes	N	U		U	1.9	0.30	ug/kg
LT-G-027-0-2-20140221	480-55157-21	ALDRIN	2/27/2014		Yes	N	U		U	1.9	0.48	ug/kg
LT-G-027-0-2-20140221	480-55157-21	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.9	0.35	ug/kg
LT-G-027-0-2-20140221	480-55157-21	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	1.9	0.97	ug/kg
LT-G-027-0-2-20140221	480-55157-21	P,P'-DDT	2/27/2014	0.67	Yes	Y	J		J	1.9	0.20	ug/kg
LT-G-027-0-2-20140221	480-55157-21	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.9	0.21	ug/kg
LT-G-027-0-2-20140221	480-55157-21	TOXAPHENE	2/27/2014		Yes	N	U		U	19	11	ug/kg
LT-G-027-0-2-20140221	480-55157-21	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	1.9	0.26	ug/kg
LT-G-027-0-2-20140221	480-55157-21	DIELDRIN	2/27/2014		Yes	N	U		U	1.9	0.47	ug/kg
LT-G-027-0-2-20140221	480-55157-21	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	1.9	0.36	ug/kg
LT-G-027-0-2-20140221	480-55157-21	ENDRIN	2/27/2014		Yes	N	U		U	1.9	0.27	ug/kg
LT-G-027-0-2-20140221	480-55157-21	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	1.9	0.50	ug/kg
LT-G-027-0-2-20140221	480-55157-21	ENDRIN KETONE	2/27/2014		Yes	N	U		U	1.9	0.48	ug/kg
LT-G-027-0-2-20140221	480-55157-21	GAMMA BHC (LINDANE)	2/27/2014	0.72	Yes	Y	J		J	1.9	0.24	ug/kg
LT-G-027-0-2-20140221	480-55157-21	GAMMA CHLORDANE	2/27/2014	1.1	Yes	Y	BJ	U	U	1.9	0.62	ug/kg
LT-G-027-0-2-20140221	480-55157-21	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	1.9	0.24	ug/kg
LT-G-027-0-2-20140221	480-55157-21	P,P'-DDE	2/27/2014	0.92	Yes	Y	J		J	1.9	0.29	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-027-2-4-20140221	480-55157-22	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	18	4.6	ug/kg
LT-G-027-2-4-20140221	480-55157-22	ALDRIN	2/27/2014		Yes	N	U		U	18	4.5	ug/kg
LT-G-027-2-4-20140221	480-55157-22	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	18	3.3	ug/kg
LT-G-027-2-4-20140221	480-55157-22	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	18	9.1	ug/kg
LT-G-027-2-4-20140221	480-55157-22	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	18	2.3	ug/kg
LT-G-027-2-4-20140221	480-55157-22	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	18	2.0	ug/kg
LT-G-027-2-4-20140221	480-55157-22	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	18	3.3	ug/kg
LT-G-027-2-4-20140221	480-55157-22	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	18	2.4	ug/kg
LT-G-027-2-4-20140221	480-55157-22	DIELDRIN	2/27/2014		Yes	N	U		U	18	4.4	ug/kg
LT-G-027-2-4-20140221	480-55157-22	ENDRIN	2/27/2014		Yes	N	U		U	18	2.5	ug/kg
LT-G-027-2-4-20140221	480-55157-22	TOXAPHENE	2/27/2014		Yes	N	U	UJ	UJ	180	110	ug/kg
LT-G-027-2-4-20140221	480-55157-22	ENDRIN KETONE	2/27/2014		Yes	N	U		U	18	4.5	ug/kg
LT-G-027-2-4-20140221	480-55157-22	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	18	2.2	ug/kg
LT-G-027-2-4-20140221	480-55157-22	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	18	5.8	ug/kg
LT-G-027-2-4-20140221	480-55157-22	HEPTACHLOR	2/27/2014		Yes	N	U		U	18	2.8	ug/kg
LT-G-027-2-4-20140221	480-55157-22	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	18	4.7	ug/kg
LT-G-027-2-4-20140221	480-55157-22	METHOXYCHLOR	2/27/2014		Yes	N	U		U	18	2.5	ug/kg
LT-G-027-2-4-20140221	480-55157-22	P,P'-DDD	2/27/2014		Yes	N	U		U	18	3.5	ug/kg
LT-G-027-2-4-20140221	480-55157-22	P,P'-DDE	2/27/2014	6.4	Yes	Y	J	J	J	18	2.7	ug/kg
LT-G-027-2-4-20140221	480-55157-22	P,P'-DDT	2/27/2014		Yes	N	U		U	18	1.9	ug/kg
LT-G-027-2-4-20140221	480-55157-22	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	18	3.4	ug/kg
LT-G-027-8-10-20140221	480-55157-23	P,P'-DDE	2/27/2014		Yes	N	U		U	11	1.6	ug/kg
LT-G-027-8-10-20140221	480-55157-23	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	11	2.8	ug/kg
LT-G-027-8-10-20140221	480-55157-23	TOXAPHENE	2/27/2014		Yes	N	U		U	110	63	ug/kg

SDG: 480551571

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-027-8-10-20140221	480-55157-23	P,P'-DDT	2/27/2014		Yes	N	U		U	11	1.1	ug/kg
LT-G-027-8-10-20140221	480-55157-23	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	11	1.4	ug/kg
LT-G-027-8-10-20140221	480-55157-23	P,P'-DDD	2/27/2014		Yes	N	U		U	11	2.1	ug/kg
LT-G-027-8-10-20140221	480-55157-23	ALDRIN	2/27/2014		Yes	N	U		U	11	2.7	ug/kg
LT-G-027-8-10-20140221	480-55157-23	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	11	5.4	ug/kg
LT-G-027-8-10-20140221	480-55157-23	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	11	1.2	ug/kg
LT-G-027-8-10-20140221	480-55157-23	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	11	1.9	ug/kg
LT-G-027-8-10-20140221	480-55157-23	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	11	1.4	ug/kg
LT-G-027-8-10-20140221	480-55157-23	DIELDRIN	2/27/2014		Yes	N	U		U	11	2.6	ug/kg
LT-G-027-8-10-20140221	480-55157-23	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	11	2.0	ug/kg
LT-G-027-8-10-20140221	480-55157-23	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	11	2.8	ug/kg
LT-G-027-8-10-20140221	480-55157-23	ENDRIN KETONE	2/27/2014		Yes	N	U		U	11	2.7	ug/kg
LT-G-027-8-10-20140221	480-55157-23	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	11	1.3	ug/kg
LT-G-027-8-10-20140221	480-55157-23	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	11	3.4	ug/kg
LT-G-027-8-10-20140221	480-55157-23	HEPTACHLOR	2/27/2014		Yes	N	U		U	11	1.7	ug/kg
LT-G-027-8-10-20140221	480-55157-23	ENDRIN	2/27/2014		Yes	N	U		U	11	1.5	ug/kg
LT-G-027-8-10-20140221	480-55157-23	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	11	1.9	ug/kg
LT-G-027-8-10-20140221	480-55157-23	METHOXYCHLOR	2/27/2014		Yes	N	U		U	11	1.5	ug/kg

Analytical Method SW8260C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801675588	4801675588	CIS-1,2-DICHLOROETHYLENE	2/25/2014		Yes	N	U		U	1.0	0.81	ug/l
4801675588	4801675588	METHYL ISOBUTYL KETONE (4- METHYL-2-PENTANONE)	2/25/2014		Yes	N	U		U	5.0	2.1	ug/l
4801675588	4801675588	METHYL ETHYL KETONE (2- BUTANONE)	2/25/2014		Yes	N	U		U	10	1.3	ug/l

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Analytical Method		SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801675588	4801675588	METHYL ACETATE	2/25/2014		Yes	N	U		U	2.5	0.50	ug/l
4801675588	4801675588	ISOPROPYLBENZENE (CUMENE)	2/25/2014		Yes	N	U		U	1.0	0.79	ug/l
4801675588	4801675588	ETHYLBENZENE	2/25/2014		Yes	N	U		U	1.0	0.74	ug/l
4801675588	4801675588	DICHLORODIFLUOROMETHANE	2/25/2014		Yes	N	U		U	1.0	0.68	ug/l
4801675588	4801675588	DIBROMOCHLOROMETHANE	2/25/2014		Yes	N	U		U	1.0	0.32	ug/l
4801675588	4801675588	CIS-1,3-DICHLOROPROPENE	2/25/2014		Yes	N	U		U	1.0	0.36	ug/l
4801675588	4801675588	CHLOROMETHANE	2/25/2014		Yes	N	U		U	1.0	0.35	ug/l
4801675588	4801675588	METHYLCYCLOHEXANE	2/25/2014		Yes	N	U		U	1.0	0.16	ug/l
4801675588	4801675588	TRANS-1,3-DICHLOROPROPENE	2/25/2014		Yes	N	U		U	1.0	0.37	ug/l
4801675588	4801675588	CYCLOHEXANE	2/25/2014		Yes	N	U		U	1.0	0.18	ug/l
4801675588	4801675588	METHYLENE CHLORIDE	2/25/2014		Yes	N	U		U	1.0	0.44	ug/l
4801675588	4801675588	N-BUTYLBENZENE	2/25/2014		Yes	N	U		U	1.0	0.64	ug/l
4801675588	4801675588	N-PROPYLBENZENE	2/25/2014		Yes	N	U		U	1.0	0.69	ug/l
4801675588	4801675588	SEC-BUTYLBENZENE	2/25/2014		Yes	N	U		U	1.0	0.75	ug/l
4801675588	4801675588	STYRENE	2/25/2014		Yes	N	U		U	1.0	0.73	ug/l
4801675588	4801675588	T-BUTYLBENZENE	2/25/2014		Yes	N	U		U	1.0	0.81	ug/l
4801675588	4801675588	TERT-BUTYL METHYL ETHER	2/25/2014		Yes	N	U		U	1.0	0.16	ug/l
4801675588	4801675588	TOLUENE	2/25/2014		Yes	N	U		U	1.0	0.51	ug/l
4801675588	4801675588	CHLOROFORM	2/25/2014		Yes	N	U		U	1.0	0.34	ug/l
4801675588	4801675588	TRICHLOROFLUOROMETHANE	2/25/2014		Yes	N	U		U	1.0	0.88	ug/l
4801675588	4801675588	VINYL CHLORIDE	2/25/2014		Yes	N	U		U	1.0	0.90	ug/l
4801675588	4801675588	XYLENES, TOTAL	2/25/2014		Yes	N	U		U	2.0	0.66	ug/l
4801675588	4801675588	TRANS-1,2-DICHLOROETHENE	2/25/2014		Yes	N	U		U	1.0	0.90	ug/l
4801675588	4801675588	TETRACHLOROETHYLENE(PCE)	2/25/2014		Yes	N	U		U	1.0	0.36	ug/l

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Analytical Method		SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801675588	4801675588	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	2/25/2014		Yes	N	U		U	1.0	0.31	ug/l
4801675588	4801675588	CHLOROETHANE	2/25/2014		Yes	N	U		U	1.0	0.32	ug/l
4801675588	4801675588	TRICHLOROETHYLENE (TCE)	2/25/2014		Yes	N	U		U	1.0	0.46	ug/l
4801675588	4801675588	1,1,2,2-TETRACHLOROETHANE	2/25/2014		Yes	N	U		U	1.0	0.21	ug/l
4801675588	4801675588	1,1,2-TRICHLOROETHANE	2/25/2014		Yes	N	U		U	1.0	0.23	ug/l
4801675588	4801675588	1,1-DICHLOROETHANE	2/25/2014		Yes	N	U		U	1.0	0.38	ug/l
4801675588	4801675588	1,1,1-TRICHLOROETHANE	2/25/2014		Yes	N	U		U	1.0	0.82	ug/l
4801675588	4801675588	1,1-DICHLOROETHENE	2/25/2014		Yes	N	U		U	1.0	0.29	ug/l
4801675588	4801675588	1,2,4-TRICHLOROBENZENE	2/25/2014		Yes	N	U		U	1.0	0.41	ug/l
4801675588	4801675588	1,2,4-TRIMETHYLBENZENE	2/25/2014		Yes	N	U		U	1.0	0.75	ug/l
4801675588	4801675588	1,2-DIBROMO-3-CHLOROPROPANE	2/25/2014		Yes	N	U		U	1.0	0.39	ug/l
4801675588	4801675588	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	2/25/2014		Yes	N	U		U	1.0	0.73	ug/l
4801675588	4801675588	1,2-DICHLOROBENZENE	2/25/2014		Yes	N	U		U	1.0	0.79	ug/l
4801675588	4801675588	1,2-DICHLOROETHANE	2/25/2014		Yes	N	U		U	1.0	0.21	ug/l
4801675588	4801675588	BROMODICHLOROMETHANE	2/25/2014		Yes	N	U		U	1.0	0.39	ug/l
4801675588	4801675588	CARBON TETRACHLORIDE	2/25/2014		Yes	N	U		U	1.0	0.27	ug/l
4801675588	4801675588	CHLOROBENZENE	2/25/2014		Yes	N	U		U	1.0	0.75	ug/l
4801675588	4801675588	BROMOMETHANE	2/25/2014		Yes	N	U		U	1.0	0.69	ug/l
4801675588	4801675588	1,2-DICHLOROPROPANE	2/25/2014		Yes	N	U		U	1.0	0.72	ug/l
4801675588	4801675588	BROMOFORM	2/25/2014		Yes	N	U		U	1.0	0.26	ug/l
4801675588	4801675588	CARBON DISULFIDE	2/25/2014		Yes	N	U		U	1.0	0.19	ug/l
4801675588	4801675588	BENZENE	2/25/2014		Yes	N	U		U	1.0	0.41	ug/l
4801675588	4801675588	ACETONE	2/25/2014		Yes	N	U		U	10	3.0	ug/l
4801675588	4801675588	2-HEXANONE	2/25/2014		Yes	N	U		U	5.0	1.2	ug/l

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Analytical Method		SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801675588	4801675588	1,4-DIOXANE (P-DIOXANE)	2/25/2014		Yes	N	U		U	40	9.3	ug/l
4801675588	4801675588	1,4-DICHLOROBENZENE	2/25/2014		Yes	N	U		U	1.0	0.84	ug/l
4801675588	4801675588	1,3-DICHLOROBENZENE	2/25/2014		Yes	N	U		U	1.0	0.78	ug/l
4801675588	4801675588	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	2/25/2014		Yes	N	U		U	1.0	0.77	ug/l
4801675637	4801675637	METHYL ISOBUTYL KETONE (4- METHYL-2-PENTANONE)	2/25/2014		Yes	N	U		U	25	1.6	ug/kg
4801675637	4801675637	METHYL ETHYL KETONE (2- BUTANONE)	2/25/2014		Yes	N	U		U	25	1.8	ug/kg
4801675637	4801675637	METHYL ACETATE	2/25/2014		Yes	N	U		U	5.0	0.93	ug/kg
4801675637	4801675637	ISOPROPYLBENZENE (CUMENE)	2/25/2014		Yes	N	U		U	5.0	0.75	ug/kg
4801675637	4801675637	METHYLENE CHLORIDE	2/25/2014		Yes	N	U		U	5.0	2.3	ug/kg
4801675637	4801675637	ETHYLBENZENE	2/25/2014		Yes	N	U		U	5.0	0.35	ug/kg
4801675637	4801675637	DICHLORODIFLUOROMETHANE	2/25/2014		Yes	N	U		U	5.0	0.41	ug/kg
4801675637	4801675637	DIBROMOCHLOROMETHANE	2/25/2014		Yes	N	U		U	5.0	0.64	ug/kg
4801675637	4801675637	CYCLOHEXANE	2/25/2014		Yes	N	U		U	5.0	0.70	ug/kg
4801675637	4801675637	CIS-1,2-DICHLOROETHYLENE	2/25/2014		Yes	N	U		U	5.0	0.64	ug/kg
4801675637	4801675637	TOLUENE	2/25/2014		Yes	N	U		U	5.0	0.38	ug/kg
4801675637	4801675637	CHLOROMETHANE	2/25/2014		Yes	N	U		U	5.0	0.30	ug/kg
4801675637	4801675637	CIS-1,3-DICHLOROPROPENE	2/25/2014		Yes	N	U		U	5.0	0.72	ug/kg
4801675637	4801675637	N-PROPYLBENZENE	2/25/2014		Yes	N	U		U	5.0	0.40	ug/kg
4801675637	4801675637	SEC-BUTYLBENZENE	2/25/2014		Yes	N	U		U	5.0	0.44	ug/kg
4801675637	4801675637	STYRENE	2/25/2014		Yes	N	U		U	5.0	0.25	ug/kg
4801675637	4801675637	T-BUTYLBENZENE	2/25/2014		Yes	N	U		U	5.0	0.52	ug/kg
4801675637	4801675637	VINYL CHLORIDE	2/25/2014		Yes	N	U		U	5.0	0.61	ug/kg
4801675637	4801675637	TETRACHLOROETHYLENE(PCE)	2/25/2014		Yes	N	U		U	5.0	0.67	ug/kg
4801675637	4801675637	TRANS-1,2-DICHLOROETHENE	2/25/2014		Yes	N	U		U	5.0	0.52	ug/kg

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Analytical Method		SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801675637	4801675637	TRANS-1,3-DICHLOROPROPENE	2/25/2014		Yes	N	U		U	5.0	2.2	ug/kg
4801675637	4801675637	TRICHLOROETHYLENE (TCE)	2/25/2014		Yes	N	U		U	5.0	1.1	ug/kg
4801675637	4801675637	TRICHLOROFLUOROMETHANE	2/25/2014		Yes	N	U		U	5.0	0.47	ug/kg
4801675637	4801675637	CHLOROFORM	2/25/2014		Yes	N	U		U	5.0	0.31	ug/kg
4801675637	4801675637	METHYLCYCLOHEXANE	2/25/2014		Yes	N	U		U	5.0	0.76	ug/kg
4801675637	4801675637	XYLENES, TOTAL	2/25/2014		Yes	N	U		U	10	0.84	ug/kg
4801675637	4801675637	TERT-BUTYL METHYL ETHER	2/25/2014		Yes	N	U		U	5.0	0.49	ug/kg
4801675637	4801675637	1,2,4-TRIMETHYLBENZENE	2/25/2014		Yes	N	U		U	5.0	0.96	ug/kg
4801675637	4801675637	N-BUTYLBENZENE	2/25/2014		Yes	N	U		U	5.0	0.44	ug/kg
4801675637	4801675637	1,1,2,2-TETRACHLOROETHANE	2/25/2014		Yes	N	U		U	5.0	0.81	ug/kg
4801675637	4801675637	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	2/25/2014		Yes	N	U		U	5.0	1.1	ug/kg
4801675637	4801675637	1,1,2-TRICHLOROETHANE	2/25/2014		Yes	N	U		U	5.0	0.65	ug/kg
4801675637	4801675637	1,1-DICHLOROETHANE	2/25/2014		Yes	N	U		U	5.0	0.61	ug/kg
4801675637	4801675637	CHLOROETHANE	2/25/2014		Yes	N	U		U	5.0	1.1	ug/kg
4801675637	4801675637	1,2,4-TRICHLOROBENZENE	2/25/2014		Yes	N	U		U	5.0	0.30	ug/kg
4801675637	4801675637	1,1,1-TRICHLOROETHANE	2/25/2014		Yes	N	U		U	5.0	0.36	ug/kg
4801675637	4801675637	1,2-DIBROMO-3-CHLOROPROPANE	2/25/2014		Yes	N	U		U	5.0	2.5	ug/kg
4801675637	4801675637	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	2/25/2014		Yes	N	U		U	5.0	0.64	ug/kg
4801675637	4801675637	1,2-DICHLOROBENZENE	2/25/2014		Yes	N	U		U	5.0	0.39	ug/kg
4801675637	4801675637	1,2-DICHLOROETHANE	2/25/2014		Yes	N	U		U	5.0	0.25	ug/kg
4801675637	4801675637	1,2-DICHLOROPROPANE	2/25/2014		Yes	N	U		U	5.0	2.5	ug/kg
4801675637	4801675637	BROMOFORM	2/25/2014		Yes	N	U		U	5.0	2.5	ug/kg
4801675637	4801675637	CHLOROBENZENE	2/25/2014		Yes	N	U		U	5.0	0.66	ug/kg
4801675637	4801675637	1,1-DICHLOROETHENE	2/25/2014		Yes	N	U		U	5.0	0.61	ug/kg

SDG: 480551571

Analytical Method		SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801675637	4801675637	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	2/25/2014		Yes	N	U		U	5.0	0.32	ug/kg
4801675637	4801675637	CARBON TETRACHLORIDE	2/25/2014		Yes	N	U		U	5.0	0.48	ug/kg
4801675637	4801675637	BROMOMETHANE	2/25/2014		Yes	N	U		U	5.0	0.45	ug/kg
4801675637	4801675637	BROMODICHLOROMETHANE	2/25/2014		Yes	N	U		U	5.0	0.67	ug/kg
4801675637	4801675637	BENZENE	2/25/2014		Yes	N	U		U	5.0	0.25	ug/kg
4801675637	4801675637	ACETONE	2/25/2014		Yes	N	U		U	25	4.2	ug/kg
4801675637	4801675637	2-HEXANONE	2/25/2014		Yes	N	U		U	25	2.5	ug/kg
4801675637	4801675637	1,4-DIOXANE (P-DIOXANE)	2/25/2014		Yes	N	U		U	200	24	ug/kg
4801675637	4801675637	1,4-DICHLOROBENZENE	2/25/2014		Yes	N	U		U	5.0	0.70	ug/kg
4801675637	4801675637	1,3-DICHLOROBENZENE	2/25/2014		Yes	N	U		U	5.0	0.26	ug/kg
4801675637	4801675637	CARBON DISULFIDE	2/25/2014		Yes	N	U		U	5.0	2.5	ug/kg
4801677502A	4801677502A	CHLOROFORM	2/27/2014		Yes	N	U		U	100	69	ug/kg
4801677502A	4801677502A	METHYL ETHYL KETONE (2-BUTANONE)	2/27/2014		Yes	N	U		U	500	300	ug/kg
4801677502A	4801677502A	METHYLENE CHLORIDE	2/27/2014		Yes	N	U		U	100	20	ug/kg
4801677502A	4801677502A	METHYLCYCLOHEXANE	2/27/2014		Yes	N	U		U	100	47	ug/kg
4801677502A	4801677502A	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	2/27/2014		Yes	N	U		U	500	32	ug/kg
4801677502A	4801677502A	ISOPROPYLBENZENE (CUMENE)	2/27/2014		Yes	N	U		U	100	15	ug/kg
4801677502A	4801677502A	DICHLORODIFLUOROMETHANE	2/27/2014		Yes	N	U		U	100	44	ug/kg
4801677502A	4801677502A	DIBROMOCHLOROMETHANE	2/27/2014		Yes	N	U		U	100	48	ug/kg
4801677502A	4801677502A	CYCLOHEXANE	2/27/2014		Yes	N	U		U	100	22	ug/kg
4801677502A	4801677502A	CIS-1,3-DICHLOROPROPENE	2/27/2014		Yes	N	U		U	100	24	ug/kg
4801677502A	4801677502A	CHLOROMETHANE	2/27/2014		Yes	N	U		U	100	24	ug/kg
4801677502A	4801677502A	CIS-1,2-DICHLOROETHYLENE	2/27/2014		Yes	N	U		U	100	28	ug/kg
4801677502A	4801677502A	N-BUTYLBENZENE	2/27/2014		Yes	N	U		U	100	29	ug/kg

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801677502A	4801677502A	N-PROPYLBENZENE	2/27/2014		Yes	N	U		U	100	26	ug/kg
4801677502A	4801677502A	SEC-BUTYLBENZENE	2/27/2014		Yes	N	U		U	100	37	ug/kg
4801677502A	4801677502A	STYRENE	2/27/2014		Yes	N	U		U	100	24	ug/kg
4801677502A	4801677502A	T-BUTYLBENZENE	2/27/2014		Yes	N	U		U	100	28	ug/kg
4801677502A	4801677502A	TERT-BUTYL METHYL ETHER	2/27/2014		Yes	N	U		U	100	38	ug/kg
4801677502A	4801677502A	TETRACHLOROETHYLENE(PCE)	2/27/2014		Yes	N	U		U	100	13	ug/kg
4801677502A	4801677502A	TOLUENE	2/27/2014		Yes	N	U		U	100	27	ug/kg
4801677502A	4801677502A	TRANS-1,2-DICHLOROETHENE	2/27/2014		Yes	N	U		U	100	24	ug/kg
4801677502A	4801677502A	TRANS-1,3-DICHLOROPROPENE	2/27/2014		Yes	N	U		U	100	4.8	ug/kg
4801677502A	4801677502A	TRICHLOROETHYLENE (TCE)	2/27/2014		Yes	N	U		U	100	28	ug/kg
4801677502A	4801677502A	CHLOROETHANE	2/27/2014		Yes	N	U		U	100	21	ug/kg
4801677502A	4801677502A	VINYL CHLORIDE	2/27/2014		Yes	N	U		U	100	34	ug/kg
4801677502A	4801677502A	1,2-DICHLOROETHANE	2/27/2014		Yes	N	U		U	100	41	ug/kg
4801677502A	4801677502A	TRICHLOROFLUOROMETHANE	2/27/2014		Yes	N	U		U	100	47	ug/kg
4801677502A	4801677502A	1,2-DICHLOROPROPANE	2/27/2014		Yes	N	U		U	100	16	ug/kg
4801677502A	4801677502A	XYLENES, TOTAL	2/27/2014		Yes	N	U		U	200	17	ug/kg
4801677502A	4801677502A	METHYL ACETATE	2/27/2014		Yes	N	U		U	100	48	ug/kg
4801677502A	4801677502A	1,1,1-TRICHLOROETHANE	2/27/2014		Yes	N	U		U	100	28	ug/kg
4801677502A	4801677502A	1,1,2,2-TETRACHLOROETHANE	2/27/2014		Yes	N	U		U	100	16	ug/kg
4801677502A	4801677502A	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	2/27/2014		Yes	N	U		U	100	50	ug/kg
4801677502A	4801677502A	1,1,2-TRICHLOROETHANE	2/27/2014		Yes	N	U		U	100	21	ug/kg
4801677502A	4801677502A	1,1-DICHLOROETHANE	2/27/2014		Yes	N	U		U	100	31	ug/kg
4801677502A	4801677502A	1,1-DICHLOROETHENE	2/27/2014		Yes	N	U		U	100	35	ug/kg
4801677502A	4801677502A	1,2,4-TRICHLOROBENZENE	2/27/2014		Yes	N	U		U	100	38	ug/kg

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Analytical Method		SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801677502A	4801677502A	1,2,4-TRIMETHYLBENZENE	2/27/2014		Yes	N	U		U	100	28	ug/kg
4801677502A	4801677502A	1,2-DIBROMO-3-CHLOROPROPANE	2/27/2014		Yes	N	U		U	100	50	ug/kg
4801677502A	4801677502A	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	2/27/2014		Yes	N	U		U	100	30	ug/kg
4801677502A	4801677502A	1,2-DICHLOROBENZENE	2/27/2014		Yes	N	U		U	100	26	ug/kg
4801677502A	4801677502A	CHLOROBENZENE	2/27/2014		Yes	N	U		U	100	13	ug/kg
4801677502A	4801677502A	1,3-DICHLOROBENZENE	2/27/2014		Yes	N	U		U	100	27	ug/kg
4801677502A	4801677502A	1,4-DICHLOROBENZENE	2/27/2014		Yes	N	U		U	100	14	ug/kg
4801677502A	4801677502A	1,4-DIOXANE (P-DIOXANE)	2/27/2014		Yes	N	U		U	4000	2300	ug/kg
4801677502A	4801677502A	2-HEXANONE	2/27/2014		Yes	N	U		U	500	210	ug/kg
4801677502A	4801677502A	ACETONE	2/27/2014		Yes	N	U		U	500	410	ug/kg
4801677502A	4801677502A	BENZENE	2/27/2014		Yes	N	U		U	100	4.8	ug/kg
4801677502A	4801677502A	BROMODICHLOROMETHANE	2/27/2014		Yes	N	U		U	100	20	ug/kg
4801677502A	4801677502A	BROMOFORM	2/27/2014		Yes	N	U		U	100	50	ug/kg
4801677502A	4801677502A	BROMOMETHANE	2/27/2014		Yes	N	U		U	100	22	ug/kg
4801677502A	4801677502A	CARBON DISULFIDE	2/27/2014		Yes	N	U		U	100	46	ug/kg
4801677502A	4801677502A	CARBON TETRACHLORIDE	2/27/2014		Yes	N	U		U	100	26	ug/kg
4801677502A	4801677502A	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	2/27/2014		Yes	N	U		U	100	3.8	ug/kg
4801677502A	4801677502A	ETHYLBENZENE	2/27/2014		Yes	N	U		U	100	29	ug/kg
FB028-20140221	480-55157-32	DIBROMOCHLOROMETHANE	2/26/2014		Yes	N	U		U	1.0	0.32	ug/l
FB028-20140221	480-55157-32	BENZENE	2/26/2014		Yes	N	U		U	1.0	0.41	ug/l
FB028-20140221	480-55157-32	1,2-DIBROMO-3-CHLOROPROPANE	2/26/2014		Yes	N	U		U	1.0	0.39	ug/l
FB028-20140221	480-55157-32	CYCLOHEXANE	2/26/2014		Yes	N	U		U	1.0	0.18	ug/l
FB028-20140221	480-55157-32	DICHLORODIFLUOROMETHANE	2/26/2014		Yes	N	U		U	1.0	0.68	ug/l
FB028-20140221	480-55157-32	ETHYLBENZENE	2/26/2014		Yes	N	U		U	1.0	0.74	ug/l

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Analytical Method		SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB028-20140221	480-55157-32	CIS-1,3-DICHLOROPROPENE	2/26/2014		Yes	N	U		U	1.0	0.36	ug/l
FB028-20140221	480-55157-32	CIS-1,2-DICHLOROETHYLENE	2/26/2014		Yes	N	U		U	1.0	0.81	ug/l
FB028-20140221	480-55157-32	CHLOROMETHANE	2/26/2014		Yes	N	U		U	1.0	0.35	ug/l
FB028-20140221	480-55157-32	2-HEXANONE	2/26/2014		Yes	N	U		U	5.0	1.2	ug/l
FB028-20140221	480-55157-32	1,2-DICHLOROETHANE	2/26/2014		Yes	N	U		U	1.0	0.21	ug/l
FB028-20140221	480-55157-32	1,2-DICHLOROBENZENE	2/26/2014		Yes	N	U		U	1.0	0.79	ug/l
FB028-20140221	480-55157-32	1,2-DICHLOROPROPANE	2/26/2014		Yes	N	U		U	1.0	0.72	ug/l
FB028-20140221	480-55157-32	1,1,2-TRICHLOROETHANE	2/26/2014		Yes	N	U		U	1.0	0.23	ug/l
FB028-20140221	480-55157-32	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	2/26/2014		Yes	N	U		U	1.0	0.73	ug/l
FB028-20140221	480-55157-32	ISOPROPYLBENZENE (CUMENE)	2/26/2014		Yes	N	U		U	1.0	0.79	ug/l
FB028-20140221	480-55157-32	1,3-DICHLOROBENZENE	2/26/2014		Yes	N	U		U	1.0	0.78	ug/l
FB028-20140221	480-55157-32	BROMOFORM	2/26/2014		Yes	N	U		U	1.0	0.26	ug/l
FB028-20140221	480-55157-32	1,4-DIOXANE (P-DIOXANE)	2/26/2014		Yes	N	U		U	40	9.3	ug/l
FB028-20140221	480-55157-32	CHLOROFORM	2/26/2014		Yes	N	U		U	1.0	0.34	ug/l
FB028-20140221	480-55157-32	ACETONE	2/26/2014		Yes	N	U		U	10	3.0	ug/l
FB028-20140221	480-55157-32	BROMODICHLOROMETHANE	2/26/2014		Yes	N	U		U	1.0	0.39	ug/l
FB028-20140221	480-55157-32	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	2/26/2014		Yes	N	U		U	1.0	0.77	ug/l
FB028-20140221	480-55157-32	BROMOMETHANE	2/26/2014		Yes	N	U		U	1.0	0.69	ug/l
FB028-20140221	480-55157-32	CARBON DISULFIDE	2/26/2014		Yes	N	U		U	1.0	0.19	ug/l
FB028-20140221	480-55157-32	CARBON TETRACHLORIDE	2/26/2014		Yes	N	U		U	1.0	0.27	ug/l
FB028-20140221	480-55157-32	CHLOROBENZENE	2/26/2014		Yes	N	U		U	1.0	0.75	ug/l
FB028-20140221	480-55157-32	CHLOROETHANE	2/26/2014		Yes	N	U		U	1.0	0.32	ug/l
FB028-20140221	480-55157-32	1,4-DICHLOROBENZENE	2/26/2014		Yes	N	U		U	1.0	0.84	ug/l
FB028-20140221	480-55157-32	TRICHLOROETHYLENE (TCE)	2/26/2014		Yes	N	U		U	1.0	0.46	ug/l

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Analytical Method		SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB028-20140221	480-55157-32	1,1-DICHLOROETHENE	2/26/2014		Yes	N	U		U	1.0	0.29	ug/l
FB028-20140221	480-55157-32	N-BUTYLBENZENE	2/26/2014		Yes	N	U		U	1.0	0.64	ug/l
FB028-20140221	480-55157-32	1,1-DICHLOROETHANE	2/26/2014		Yes	N	U		U	1.0	0.38	ug/l
FB028-20140221	480-55157-32	1,2,4-TRIMETHYLBENZENE	2/26/2014		Yes	N	U		U	1.0	0.75	ug/l
FB028-20140221	480-55157-32	N-PROPYLBENZENE	2/26/2014		Yes	N	U		U	1.0	0.69	ug/l
FB028-20140221	480-55157-32	SEC-BUTYLBENZENE	2/26/2014		Yes	N	U		U	1.0	0.75	ug/l
FB028-20140221	480-55157-32	STYRENE	2/26/2014		Yes	N	U		U	1.0	0.73	ug/l
FB028-20140221	480-55157-32	T-BUTYLBENZENE	2/26/2014		Yes	N	U		U	1.0	0.81	ug/l
FB028-20140221	480-55157-32	TERT-BUTYL METHYL ETHER	2/26/2014		Yes	N	U		U	1.0	0.16	ug/l
FB028-20140221	480-55157-32	TETRACHLOROETHYLENE(PCE)	2/26/2014		Yes	N	U		U	1.0	0.36	ug/l
FB028-20140221	480-55157-32	TOLUENE	2/26/2014		Yes	N	U		U	1.0	0.51	ug/l
FB028-20140221	480-55157-32	1,1,2,2-TETRACHLOROETHANE	2/26/2014		Yes	N	U		U	1.0	0.21	ug/l
FB028-20140221	480-55157-32	TRANS-1,3-DICHLOROPROPENE	2/26/2014		Yes	N	U		U	1.0	0.37	ug/l
FB028-20140221	480-55157-32	1,1,1-TRICHLOROETHANE	2/26/2014		Yes	N	U		U	1.0	0.82	ug/l
FB028-20140221	480-55157-32	TRICHLOROFLUOROMETHANE	2/26/2014		Yes	N	U		U	1.0	0.88	ug/l
FB028-20140221	480-55157-32	VINYL CHLORIDE	2/26/2014		Yes	N	U		U	1.0	0.90	ug/l
FB028-20140221	480-55157-32	XYLENES, TOTAL	2/26/2014		Yes	N	U		U	2.0	0.66	ug/l
FB028-20140221	480-55157-32	1,2,4-TRICHLOROBENZENE	2/26/2014		Yes	N	U		U	1.0	0.41	ug/l
FB028-20140221	480-55157-32	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	2/26/2014		Yes	N	U		U	1.0	0.31	ug/l
FB028-20140221	480-55157-32	METHYL ACETATE	2/26/2014		Yes	N	U		U	2.5	0.50	ug/l
FB028-20140221	480-55157-32	METHYL ETHYL KETONE (2-BUTANONE)	2/26/2014		Yes	N	U		U	10	1.3	ug/l
FB028-20140221	480-55157-32	TRANS-1,2-DICHLOROETHENE	2/26/2014		Yes	N	U		U	1.0	0.90	ug/l
FB028-20140221	480-55157-32	METHYLENE CHLORIDE	2/26/2014	0.65	Yes	Y	J		J	1.0	0.44	ug/l
FB028-20140221	480-55157-32	METHYLCYCLOHEXANE	2/26/2014		Yes	N	U		U	1.0	0.16	ug/l

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB028-20140221	480-55157-32	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	2/26/2014		Yes	N	U		U	5.0	2.1	ug/l
LT-G-030-0-2-20140224	480-55157-34	SEC-BUTYLBENZENE	2/26/2014		Yes	N	U		U	5.5	0.48	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CHLOROMETHANE	2/26/2014		Yes	N	U		U	5.5	0.34	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CIS-1,2-DICHLOROETHYLENE	2/26/2014		Yes	N	U		U	5.5	0.71	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CIS-1,3-DICHLOROPROPENE	2/26/2014		Yes	N	U		U	5.5	0.80	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CYCLOHEXANE	2/26/2014		Yes	N	U		U	5.5	0.78	ug/kg
LT-G-030-0-2-20140224	480-55157-34	DIBROMOCHLOROMETHANE	2/26/2014		Yes	N	U		U	5.5	0.71	ug/kg
LT-G-030-0-2-20140224	480-55157-34	DICHLORODIFLUOROMETHANE	2/26/2014		Yes	N	U		U	5.5	0.46	ug/kg
LT-G-030-0-2-20140224	480-55157-34	ETHYLBENZENE	2/26/2014	170	Yes	Y				5.5	0.38	ug/kg
LT-G-030-0-2-20140224	480-55157-34	ISOPROPYLBENZENE (CUMENE)	2/26/2014	2.9	Yes	Y	J		J	5.5	0.84	ug/kg
LT-G-030-0-2-20140224	480-55157-34	METHYL ACETATE	2/26/2014		Yes	N	U		U	5.5	1.0	ug/kg
LT-G-030-0-2-20140224	480-55157-34	METHYL ETHYL KETONE (2-BUTANONE)	2/26/2014		Yes	N	U		U	28	2.0	ug/kg
LT-G-030-0-2-20140224	480-55157-34	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	2/26/2014		Yes	N	U		U	28	1.8	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CHLOROFORM	2/26/2014		Yes	N	U		U	5.5	0.34	ug/kg
LT-G-030-0-2-20140224	480-55157-34	N-PROPYLBENZENE	2/26/2014	1.1	Yes	Y	J		J	5.5	0.44	ug/kg
LT-G-030-0-2-20140224	480-55157-34	METHYLCYCLOHEXANE	2/26/2014		Yes	N	U		U	5.5	0.84	ug/kg
LT-G-030-0-2-20140224	480-55157-34	STYRENE	2/26/2014		Yes	N	U		U	5.5	0.28	ug/kg
LT-G-030-0-2-20140224	480-55157-34	T-BUTYLBENZENE	2/26/2014		Yes	N	U		U	5.5	0.58	ug/kg
LT-G-030-0-2-20140224	480-55157-34	TERT-BUTYL METHYL ETHER	2/26/2014		Yes	N	U		U	5.5	0.54	ug/kg
LT-G-030-0-2-20140224	480-55157-34	TETRACHLOROETHYLENE(PCE)	2/26/2014		Yes	N	U		U	5.5	0.74	ug/kg
LT-G-030-0-2-20140224	480-55157-34	TOLUENE	2/26/2014	5.4	Yes	Y	J		J	5.5	0.42	ug/kg
LT-G-030-0-2-20140224	480-55157-34	TRANS-1,2-DICHLOROETHENE	2/26/2014		Yes	N	U		U	5.5	0.57	ug/kg
LT-G-030-0-2-20140224	480-55157-34	TRANS-1,3-DICHLOROPROPENE	2/26/2014		Yes	N	U		U	5.5	2.4	ug/kg
LT-G-030-0-2-20140224	480-55157-34	TRICHLOROETHYLENE (TCE)	2/26/2014		Yes	N	U		U	5.5	1.2	ug/kg

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Analytical Method		SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-030-0-2-20140224	480-55157-34	TRICHLOROFLUOROMETHANE	2/26/2014		Yes	N	U		U	5.5	0.52	ug/kg
LT-G-030-0-2-20140224	480-55157-34	VINYL CHLORIDE	2/26/2014		Yes	N	U		U	5.5	0.68	ug/kg
LT-G-030-0-2-20140224	480-55157-34	XYLENES, TOTAL	2/26/2014	870	Yes	Y				11	0.93	ug/kg
LT-G-030-0-2-20140224	480-55157-34	METHYLENE CHLORIDE	2/26/2014		Yes	N	U		U	5.5	2.6	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	2/26/2014		Yes	N	U		U	5.5	1.3	ug/kg
LT-G-030-0-2-20140224	480-55157-34	N-BUTYLBENZENE	2/26/2014		Yes	N	U		U	5.5	0.48	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,1,2,2-TETRACHLOROETHANE	2/26/2014		Yes	N	U		U	5.5	0.90	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CHLOROETHANE	2/26/2014		Yes	N	U		U	5.5	1.3	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,1,2-TRICHLOROETHANE	2/26/2014		Yes	N	U		U	5.5	0.72	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,1-DICHLOROETHANE	2/26/2014		Yes	N	U		U	5.5	0.68	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,1-DICHLOROETHENE	2/26/2014		Yes	N	U		U	5.5	0.68	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,2,4-TRICHLOROBENZENE	2/26/2014		Yes	N	U		U	5.5	0.34	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,2,4-TRIMETHYLBENZENE	2/26/2014		Yes	N	U		U	5.5	1.1	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,2-DIBROMO-3-CHLOROPROPANE	2/26/2014		Yes	N	U		U	5.5	2.8	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	2/26/2014		Yes	N	U		U	5.5	0.71	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,2-DICHLOROBENZENE	2/26/2014		Yes	N	U		U	5.5	0.43	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,2-DICHLOROETHANE	2/26/2014		Yes	N	U		U	5.5	0.28	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,2-DICHLOROPROPANE	2/26/2014		Yes	N	U		U	5.5	2.8	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	2/26/2014		Yes	N	U		U	5.5	0.36	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CARBON TETRACHLORIDE	2/26/2014		Yes	N	U		U	5.5	0.54	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,1,1-TRICHLOROETHANE	2/26/2014		Yes	N	U		U	5.5	0.40	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CHLOROBENZENE	2/26/2014		Yes	N	U		U	5.5	0.73	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CARBON DISULFIDE	2/26/2014		Yes	N	U		U	5.5	2.8	ug/kg
LT-G-030-0-2-20140224	480-55157-34	BROMOMETHANE	2/26/2014		Yes	N	U	UJ	UJ	5.5	0.50	ug/kg

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Analytical Method		SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-030-0-2-20140224	480-55157-34	BROMOFORM	2/26/2014		Yes	N	U		U	5.5	2.8	ug/kg
LT-G-030-0-2-20140224	480-55157-34	BROMODICHLOROMETHANE	2/26/2014		Yes	N	U		U	5.5	0.74	ug/kg
LT-G-030-0-2-20140224	480-55157-34	ACETONE	2/26/2014	1300	No	Y	E			28	4.7	ug/kg
LT-G-030-0-2-20140224	480-55157-34	2-HEXANONE	2/26/2014		Yes	N	U		U	28	2.8	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,4-DIOXANE (P-DIOXANE)	2/26/2014		Yes	N	U		U	220	27	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,4-DICHLOROBENZENE	2/26/2014		Yes	N	U		U	5.5	0.78	ug/kg
LT-G-030-0-2-20140224	480-55157-34	BENZENE	2/26/2014		Yes	N	U		U	5.5	0.27	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,3-DICHLOROBENZENE	2/26/2014		Yes	N	U		U	5.5	0.29	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CIS-1,3-DICHLOROPROPENE	2/27/2014		No	N	U		U	140	33	ug/kg
LT-G-030-0-2-20140224	480-55157-34	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	2/27/2014		No	N	U		U	700	45	ug/kg
LT-G-030-0-2-20140224	480-55157-34	METHYL ETHYL KETONE (2-BUTANONE)	2/27/2014		No	N	U		U	700	420	ug/kg
LT-G-030-0-2-20140224	480-55157-34	METHYL ACETATE	2/27/2014		No	N	U		U	140	67	ug/kg
LT-G-030-0-2-20140224	480-55157-34	ISOPROPYLBENZENE (CUMENE)	2/27/2014		No	N	U		U	140	21	ug/kg
LT-G-030-0-2-20140224	480-55157-34	ETHYLBENZENE	2/27/2014	350	No	Y				140	41	ug/kg
LT-G-030-0-2-20140224	480-55157-34	DICHLORODIFLUOROMETHANE	2/27/2014		No	N	U		U	140	61	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CIS-1,2-DICHLOROETHYLENE	2/27/2014		No	N	U		U	140	39	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CYCLOHEXANE	2/27/2014		No	N	U		U	140	31	ug/kg
LT-G-030-0-2-20140224	480-55157-34	METHYLCYCLOHEXANE	2/27/2014		No	N	U		U	140	65	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CHLOROMETHANE	2/27/2014		No	N	U		U	140	33	ug/kg
LT-G-030-0-2-20140224	480-55157-34	TRANS-1,2-DICHLOROETHENE	2/27/2014		No	N	U		U	140	33	ug/kg
LT-G-030-0-2-20140224	480-55157-34	DIBROMOCHLOROMETHANE	2/27/2014		No	N	U		U	140	68	ug/kg
LT-G-030-0-2-20140224	480-55157-34	METHYLENE CHLORIDE	2/27/2014		No	N	U		U	140	28	ug/kg
LT-G-030-0-2-20140224	480-55157-34	N-BUTYLBENZENE	2/27/2014		No	N	U		U	140	41	ug/kg
LT-G-030-0-2-20140224	480-55157-34	SEC-BUTYLBENZENE	2/27/2014		No	N	U		U	140	51	ug/kg

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Analytical Method		SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-030-0-2-20140224	480-55157-34	T-BUTYLBENZENE	2/27/2014		No	N	U		U	140	39	ug/kg
LT-G-030-0-2-20140224	480-55157-34	TERT-BUTYL METHYL ETHER	2/27/2014		No	N	U		U	140	53	ug/kg
LT-G-030-0-2-20140224	480-55157-34	TOLUENE	2/27/2014		No	N	U		U	140	37	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CHLOROFORM	2/27/2014		No	N	U		U	140	96	ug/kg
LT-G-030-0-2-20140224	480-55157-34	TRANS-1,3-DICHLOROPROPENE	2/27/2014		No	N	U		U	140	6.7	ug/kg
LT-G-030-0-2-20140224	480-55157-34	TRICHLOROETHYLENE (TCE)	2/27/2014		No	N	U		U	140	39	ug/kg
LT-G-030-0-2-20140224	480-55157-34	TRICHLOROFLUOROMETHANE	2/27/2014		No	N	U		U	140	66	ug/kg
LT-G-030-0-2-20140224	480-55157-34	VINYL CHLORIDE	2/27/2014		No	N	U		U	140	47	ug/kg
LT-G-030-0-2-20140224	480-55157-34	XYLENES, TOTAL	2/27/2014	2100	No	Y				280	24	ug/kg
LT-G-030-0-2-20140224	480-55157-34	N-PROPYLBENZENE	2/27/2014		No	N	U		U	140	37	ug/kg
LT-G-030-0-2-20140224	480-55157-34	TETRACHLOROETHYLENE(PCE)	2/27/2014		No	N	U		U	140	19	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	2/27/2014		No	N	U		U	140	70	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CHLOROETHANE	2/27/2014		No	N	U		U	140	29	ug/kg
LT-G-030-0-2-20140224	480-55157-34	STYRENE	2/27/2014		No	N	U		U	140	34	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,1,2,2-TETRACHLOROETHANE	2/27/2014		No	N	U		U	140	23	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,1,2-TRICHLOROETHANE	2/27/2014		No	N	U		U	140	29	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,1-DICHLOROETHANE	2/27/2014		No	N	U		U	140	43	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,1-DICHLOROETHENE	2/27/2014		No	N	U		U	140	48	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,2,4-TRICHLOROBENZENE	2/27/2014		No	N	U		U	140	53	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,2,4-TRIMETHYLBENZENE	2/27/2014		No	N	U		U	140	39	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,2-DIBROMO-3-CHLOROPROPANE	2/27/2014		No	N	U		U	140	70	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	2/27/2014		No	N	U		U	140	5.3	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,2-DICHLOROBENZENE	2/27/2014		No	N	U		U	140	36	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,2-DICHLOROETHANE	2/27/2014		No	N	U		U	140	57	ug/kg

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Analytical Method		SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-030-0-2-20140224	480-55157-34	1,1,1-TRICHLOROETHANE	2/27/2014		No	N	U		U	140	39	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CHLOROBENZENE	2/27/2014		No	N	U		U	140	18	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,2-DICHLOROPROPANE	2/27/2014		No	N	U		U	140	23	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CARBON TETRACHLORIDE	2/27/2014		No	N	U		U	140	36	ug/kg
LT-G-030-0-2-20140224	480-55157-34	CARBON DISULFIDE	2/27/2014		No	N	U		U	140	64	ug/kg
LT-G-030-0-2-20140224	480-55157-34	BROMOMETHANE	2/27/2014		No	N	U		U	140	31	ug/kg
LT-G-030-0-2-20140224	480-55157-34	BROMOFORM	2/27/2014		No	N	U		U	140	70	ug/kg
LT-G-030-0-2-20140224	480-55157-34	BROMODICHLOROMETHANE	2/27/2014		No	N	U		U	140	28	ug/kg
LT-G-030-0-2-20140224	480-55157-34	BENZENE	2/27/2014		No	N	U		U	140	6.7	ug/kg
LT-G-030-0-2-20140224	480-55157-34	2-HEXANONE	2/27/2014		No	N	U		U	700	290	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,4-DIOXANE (P-DIOXANE)	2/27/2014		No	N	U		U	5600	3200	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,4-DICHLOROBENZENE	2/27/2014		No	N	U		U	140	20	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,3-DICHLOROBENZENE	2/27/2014		No	N	U		U	140	37	ug/kg
LT-G-030-0-2-20140224	480-55157-34	ACETONE	2/27/2014	1600	Yes	Y				700	580	ug/kg
LT-G-030-0-2-20140224	480-55157-34	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	2/27/2014		No	N	U		U	140	42	ug/kg
TB-20140221	480-55157-33	DIBROMOCHLOROMETHANE	2/26/2014		Yes	N	U		U	1.0	0.32	ug/l
TB-20140221	480-55157-33	METHYLCYCLOHEXANE	2/26/2014		Yes	N	U		U	1.0	0.16	ug/l
TB-20140221	480-55157-33	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	2/26/2014		Yes	N	U		U	5.0	2.1	ug/l
TB-20140221	480-55157-33	METHYL ETHYL KETONE (2-BUTANONE)	2/26/2014		Yes	N	U		U	10	1.3	ug/l
TB-20140221	480-55157-33	METHYL ACETATE	2/26/2014		Yes	N	U		U	2.5	0.50	ug/l
TB-20140221	480-55157-33	ISOPROPYLBENZENE (CUMENE)	2/26/2014		Yes	N	U		U	1.0	0.79	ug/l
TB-20140221	480-55157-33	CIS-1,3-DICHLOROPROPENE	2/26/2014		Yes	N	U		U	1.0	0.36	ug/l
TB-20140221	480-55157-33	DICHLORODIFLUOROMETHANE	2/26/2014		Yes	N	U		U	1.0	0.68	ug/l
TB-20140221	480-55157-33	METHYLENE CHLORIDE	2/26/2014		Yes	N	U		U	1.0	0.44	ug/l

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Analytical Method		SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
TB-20140221	480-55157-33	CHLOROMETHANE	2/26/2014		Yes	N	U		U	1.0	0.35	ug/l
TB-20140221	480-55157-33	TOLUENE	2/26/2014		Yes	N	U		U	1.0	0.51	ug/l
TB-20140221	480-55157-33	ETHYLBENZENE	2/26/2014		Yes	N	U		U	1.0	0.74	ug/l
TB-20140221	480-55157-33	N-BUTYLBENZENE	2/26/2014		Yes	N	U		U	1.0	0.64	ug/l
TB-20140221	480-55157-33	N-PROPYLBENZENE	2/26/2014		Yes	N	U		U	1.0	0.69	ug/l
TB-20140221	480-55157-33	SEC-BUTYLBENZENE	2/26/2014		Yes	N	U		U	1.0	0.75	ug/l
TB-20140221	480-55157-33	STYRENE	2/26/2014		Yes	N	U		U	1.0	0.73	ug/l
TB-20140221	480-55157-33	T-BUTYLBENZENE	2/26/2014		Yes	N	U		U	1.0	0.81	ug/l
TB-20140221	480-55157-33	VINYL CHLORIDE	2/26/2014		Yes	N	U		U	1.0	0.90	ug/l
TB-20140221	480-55157-33	TETRACHLOROETHYLENE(PCE)	2/26/2014		Yes	N	U		U	1.0	0.36	ug/l
TB-20140221	480-55157-33	TRANS-1,2-DICHLOROETHENE	2/26/2014		Yes	N	U		U	1.0	0.90	ug/l
TB-20140221	480-55157-33	TRANS-1,3-DICHLOROPROPENE	2/26/2014		Yes	N	U		U	1.0	0.37	ug/l
TB-20140221	480-55157-33	TRICHLOROETHYLENE (TCE)	2/26/2014		Yes	N	U		U	1.0	0.46	ug/l
TB-20140221	480-55157-33	TRICHLOROFLUOROMETHANE	2/26/2014		Yes	N	U		U	1.0	0.88	ug/l
TB-20140221	480-55157-33	CHLOROFORM	2/26/2014		Yes	N	U		U	1.0	0.34	ug/l
TB-20140221	480-55157-33	CIS-1,2-DICHLOROETHYLENE	2/26/2014		Yes	N	U		U	1.0	0.81	ug/l
TB-20140221	480-55157-33	XYLENES, TOTAL	2/26/2014		Yes	N	U		U	2.0	0.66	ug/l
TB-20140221	480-55157-33	TERT-BUTYL METHYL ETHER	2/26/2014		Yes	N	U		U	1.0	0.16	ug/l
TB-20140221	480-55157-33	1,1-DICHLOROETHENE	2/26/2014		Yes	N	U		U	1.0	0.29	ug/l
TB-20140221	480-55157-33	CYCLOHEXANE	2/26/2014		Yes	N	U		U	1.0	0.18	ug/l
TB-20140221	480-55157-33	CHLOROETHANE	2/26/2014		Yes	N	U		U	1.0	0.32	ug/l
TB-20140221	480-55157-33	1,1,1-TRICHLOROETHANE	2/26/2014		Yes	N	U		U	1.0	0.82	ug/l
TB-20140221	480-55157-33	1,1,2,2-TETRACHLOROETHANE	2/26/2014		Yes	N	U		U	1.0	0.21	ug/l
TB-20140221	480-55157-33	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	2/26/2014		Yes	N	U		U	1.0	0.31	ug/l

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Analytical Method		SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
TB-20140221	480-55157-33	1,1-DICHLOROETHANE	2/26/2014		Yes	N	U		U	1.0	0.38	ug/l
TB-20140221	480-55157-33	1,2,4-TRICHLOROBENZENE	2/26/2014		Yes	N	U		U	1.0	0.41	ug/l
TB-20140221	480-55157-33	1,2,4-TRIMETHYLBENZENE	2/26/2014		Yes	N	U		U	1.0	0.75	ug/l
TB-20140221	480-55157-33	1,2-DIBROMO-3-CHLOROPROPANE	2/26/2014		Yes	N	U		U	1.0	0.39	ug/l
TB-20140221	480-55157-33	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	2/26/2014		Yes	N	U		U	1.0	0.73	ug/l
TB-20140221	480-55157-33	1,2-DICHLOROBENZENE	2/26/2014		Yes	N	U		U	1.0	0.79	ug/l
TB-20140221	480-55157-33	1,2-DICHLOROETHANE	2/26/2014		Yes	N	U		U	1.0	0.21	ug/l
TB-20140221	480-55157-33	1,2-DICHLOROPROPANE	2/26/2014		Yes	N	U		U	1.0	0.72	ug/l
TB-20140221	480-55157-33	BROMOFORM	2/26/2014		Yes	N	U		U	1.0	0.26	ug/l
TB-20140221	480-55157-33	CHLOROBENZENE	2/26/2014		Yes	N	U		U	1.0	0.75	ug/l
TB-20140221	480-55157-33	1,1,2-TRICHLOROETHANE	2/26/2014		Yes	N	U		U	1.0	0.23	ug/l
TB-20140221	480-55157-33	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	2/26/2014		Yes	N	U		U	1.0	0.77	ug/l
TB-20140221	480-55157-33	CARBON DISULFIDE	2/26/2014		Yes	N	U		U	1.0	0.19	ug/l
TB-20140221	480-55157-33	BROMOMETHANE	2/26/2014		Yes	N	U		U	1.0	0.69	ug/l
TB-20140221	480-55157-33	CARBON TETRACHLORIDE	2/26/2014		Yes	N	U		U	1.0	0.27	ug/l
TB-20140221	480-55157-33	BROMODICHLOROMETHANE	2/26/2014		Yes	N	U		U	1.0	0.39	ug/l
TB-20140221	480-55157-33	BENZENE	2/26/2014		Yes	N	U		U	1.0	0.41	ug/l
TB-20140221	480-55157-33	ACETONE	2/26/2014	6.7	Yes	Y	J		J	10	3.0	ug/l
TB-20140221	480-55157-33	2-HEXANONE	2/26/2014		Yes	N	U		U	5.0	1.2	ug/l
TB-20140221	480-55157-33	1,4-DIOXANE (P-DIOXANE)	2/26/2014		Yes	N	U		U	40	9.3	ug/l
TB-20140221	480-55157-33	1,4-DICHLOROBENZENE	2/26/2014		Yes	N	U		U	1.0	0.84	ug/l
TB-20140221	480-55157-33	1,3-DICHLOROBENZENE	2/26/2014		Yes	N	U		U	1.0	0.78	ug/l

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801675351A	4801675351A	DI-N-BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	5.0	0.31	ug/l
4801675351A	4801675351A	CARBAZOLE	2/28/2014		Yes	N	U		U	5.0	0.30	ug/l
4801675351A	4801675351A	DIETHYL PHTHALATE	2/28/2014		Yes	N	U		U	5.0	0.22	ug/l
4801675351A	4801675351A	DIBENZOFURAN	2/28/2014		Yes	N	U		U	10	0.51	ug/l
4801675351A	4801675351A	DIBENZ(A,H)ANTHRACENE	2/28/2014		Yes	N	U		U	5.0	0.42	ug/l
4801675351A	4801675351A	CHRYSENE	2/28/2014		Yes	N	U		U	5.0	0.33	ug/l
4801675351A	4801675351A	DIMETHYL PHTHALATE	2/28/2014		Yes	N	U		U	5.0	0.36	ug/l
4801675351A	4801675351A	CAPROLACTAM	2/28/2014		Yes	N	U		U	5.0	2.2	ug/l
4801675351A	4801675351A	BIS(2-ETHYLHEXYL) PHTHALATE	2/28/2014		Yes	N	U		U	5.0	1.8	ug/l
4801675351A	4801675351A	BIS(2-CHLOROISOPROPYL) ETHER	2/28/2014		Yes	N	U		U	5.0	0.52	ug/l
4801675351A	4801675351A	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/28/2014		Yes	N	U		U	5.0	0.40	ug/l
4801675351A	4801675351A	BIPHENYL (DIPHENYL)	2/28/2014		Yes	N	U		U	5.0	0.65	ug/l
4801675351A	4801675351A	BENZYL BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	5.0	0.42	ug/l
4801675351A	4801675351A	DI-N-OCTYLPHTHALATE	2/28/2014		Yes	N	U		U	5.0	0.47	ug/l
4801675351A	4801675351A	PYRENE	2/28/2014		Yes	N	U		U	5.0	0.34	ug/l
4801675351A	4801675351A	BIS(2-CHLOROETHOXY) METHANE	2/28/2014		Yes	N	U		U	5.0	0.35	ug/l
4801675351A	4801675351A	ISOPHORONE	2/28/2014		Yes	N	U		U	5.0	0.43	ug/l
4801675351A	4801675351A	BENZO(K)FLUORANTHENE	2/28/2014		Yes	N	U		U	5.0	0.73	ug/l
4801675351A	4801675351A	3,3'-DICHLOROBENZIDINE	2/28/2014		Yes	N	U		U	5.0	0.40	ug/l
4801675351A	4801675351A	PHENOL	2/28/2014		Yes	N	U		U	5.0	0.39	ug/l
4801675351A	4801675351A	PENTACHLOROPHENOL	2/28/2014		Yes	N	U		U	10	2.2	ug/l
4801675351A	4801675351A	N-NITROSODIPHENYLAMINE	2/28/2014		Yes	N	U		U	5.0	0.51	ug/l
4801675351A	4801675351A	N-NITROSODI-N-PROPYLAMINE	2/28/2014		Yes	N	U		U	5.0	0.54	ug/l
4801675351A	4801675351A	PHENANTHRENE	2/28/2014		Yes	N	U		U	5.0	0.44	ug/l

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801675351A	4801675351A	NAPHTHALENE	2/28/2014		Yes	N	U		U	5.0	0.76	ug/l
4801675351A	4801675351A	FLUORANTHENE	2/28/2014		Yes	N	U		U	5.0	0.40	ug/l
4801675351A	4801675351A	INDENO(1,2,3-C,D)PYRENE	2/28/2014		Yes	N	U		U	5.0	0.47	ug/l
4801675351A	4801675351A	HEXACHLOROETHANE	2/28/2014		Yes	N	U		U	5.0	0.59	ug/l
4801675351A	4801675351A	HEXACHLOROCYCLOPENTADIENE	2/28/2014		Yes	N	U		U	5.0	0.59	ug/l
4801675351A	4801675351A	HEXACHLOROBUTADIENE	2/28/2014		Yes	N	U		U	5.0	0.68	ug/l
4801675351A	4801675351A	HEXACHLOROBENZENE	2/28/2014		Yes	N	U		U	5.0	0.51	ug/l
4801675351A	4801675351A	FLUORENE	2/28/2014		Yes	N	U		U	5.0	0.36	ug/l
4801675351A	4801675351A	NITROBENZENE	2/28/2014		Yes	N	U		U	5.0	0.29	ug/l
4801675351A	4801675351A	2-CHLORONAPHTHALENE	2/28/2014		Yes	N	U		U	5.0	0.46	ug/l
4801675351A	4801675351A	2,4,5-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	5.0	0.48	ug/l
4801675351A	4801675351A	3-NITROANILINE	2/28/2014		Yes	N	U		U	10	0.48	ug/l
4801675351A	4801675351A	2-NITROPHENOL	2/28/2014		Yes	N	U		U	5.0	0.48	ug/l
4801675351A	4801675351A	2-NITROANILINE	2/28/2014		Yes	N	U		U	10	0.42	ug/l
4801675351A	4801675351A	2,4,6-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	5.0	0.61	ug/l
4801675351A	4801675351A	4-BROMOPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	5.0	0.45	ug/l
4801675351A	4801675351A	4,6-DINITRO-2-METHYLPHENOL	2/28/2014		Yes	N	U		U	10	2.2	ug/l
4801675351A	4801675351A	2-METHYLPHENOL (O-CRESOL)	2/28/2014		Yes	N	U		U	5.0	0.40	ug/l
4801675351A	4801675351A	2,6-DINITROTOLUENE	2/28/2014		Yes	N	U		U	5.0	0.40	ug/l
4801675351A	4801675351A	2,4-DINITROTOLUENE	2/28/2014		Yes	N	U		U	5.0	0.45	ug/l
4801675351A	4801675351A	2,4-DINITROPHENOL	2/28/2014		Yes	N	U		U	10	2.2	ug/l
4801675351A	4801675351A	2,4-DIMETHYLPHENOL	2/28/2014		Yes	N	U		U	5.0	0.50	ug/l
4801675351A	4801675351A	2,4-DICHLOROPHENOL	2/28/2014		Yes	N	U		U	5.0	0.51	ug/l
4801675351A	4801675351A	BENZO(G,H,I)PERYLENE	2/28/2014		Yes	N	U		U	5.0	0.35	ug/l
4801675351A	4801675351A	2-METHYLNAPHTHALENE	2/28/2014		Yes	N	U		U	5.0	0.60	ug/l

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801675351A	4801675351A	ANTHRACENE	2/28/2014		Yes	N	U		U	5.0	0.28	ug/l
4801675351A	4801675351A	2-CHLOROPHENOL	2/28/2014		Yes	N	U		U	5.0	0.53	ug/l
4801675351A	4801675351A	BENZO(B)FLUORANTHENE	2/28/2014		Yes	N	U		U	5.0	0.34	ug/l
4801675351A	4801675351A	4-CHLORO-3-METHYLPHENOL	2/28/2014		Yes	N	U		U	5.0	0.45	ug/l
4801675351A	4801675351A	BENZO(A)ANTHRACENE	2/28/2014		Yes	N	U		U	5.0	0.36	ug/l
4801675351A	4801675351A	ATRAZINE	2/28/2014		Yes	N	U		U	5.0	0.46	ug/l
4801675351A	4801675351A	BENZO(A)PYRENE	2/28/2014		Yes	N	U		U	5.0	0.47	ug/l
4801675351A	4801675351A	ACETOPHENONE	2/28/2014		Yes	N	U		U	5.0	0.54	ug/l
4801675351A	4801675351A	ACENAPHTHYLENE	2/28/2014		Yes	N	U		U	5.0	0.38	ug/l
4801675351A	4801675351A	ACENAPHTHENE	2/28/2014		Yes	N	U		U	5.0	0.41	ug/l
4801675351A	4801675351A	4-NITROPHENOL	2/28/2014		Yes	N	U		U	10	1.5	ug/l
4801675351A	4801675351A	4-NITROANILINE	2/28/2014		Yes	N	U		U	10	0.25	ug/l
4801675351A	4801675351A	4-METHYLPHENOL (P-CRESOL)	2/28/2014		Yes	N	U		U	10	0.36	ug/l
4801675351A	4801675351A	4-CHLOROPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	5.0	0.35	ug/l
4801675351A	4801675351A	4-CHLOROANILINE	2/28/2014		Yes	N	U		U	5.0	0.59	ug/l
4801675351A	4801675351A	BENZALDEHYDE	2/28/2014		Yes	N	U		U	5.0	0.27	ug/l
4801676181A	4801676181A	CHRYSENE	3/3/2014		Yes	N	U		U	160	1.6	ug/kg
4801676181A	4801676181A	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	160	3.8	ug/kg
4801676181A	4801676181A	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	160	4.3	ug/kg
4801676181A	4801676181A	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	160	4.9	ug/kg
4801676181A	4801676181A	DIBENZOFURAN	3/3/2014		Yes	N	U		U	160	1.7	ug/kg
4801676181A	4801676181A	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	160	1.9	ug/kg
4801676181A	4801676181A	CARBAZOLE	3/3/2014		Yes	N	U		U	160	1.9	ug/kg
4801676181A	4801676181A	CAPROLACTAM	3/3/2014		Yes	N	U		U	160	71	ug/kg
4801676181A	4801676181A	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	160	53	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801676181A	4801676181A	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	160	17	ug/kg
4801676181A	4801676181A	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	160	14	ug/kg
4801676181A	4801676181A	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	160	8.9	ug/kg
4801676181A	4801676181A	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	160	44	ug/kg
4801676181A	4801676181A	BENZO(K)FLUORANTHENE	3/3/2014		Yes	N	U		U	160	1.8	ug/kg
4801676181A	4801676181A	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	160	10	ug/kg
4801676181A	4801676181A	NAPHTHALENE	3/3/2014		Yes	N	U		U	160	2.7	ug/kg
4801676181A	4801676181A	PYRENE	3/3/2014		Yes	N	U		U	160	1.1	ug/kg
4801676181A	4801676181A	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	160	57	ug/kg
4801676181A	4801676181A	PHENOL	3/3/2014		Yes	N	U		U	160	17	ug/kg
4801676181A	4801676181A	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U		U	160	2.0	ug/kg
4801676181A	4801676181A	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	320	56	ug/kg
4801676181A	4801676181A	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	160	8.9	ug/kg
4801676181A	4801676181A	PHENANTHRENE	3/3/2014		Yes	N	U		U	160	3.4	ug/kg
4801676181A	4801676181A	NITROBENZENE	3/3/2014		Yes	N	U		U	160	7.3	ug/kg
4801676181A	4801676181A	FLUORENE	3/3/2014		Yes	N	U		U	160	3.8	ug/kg
4801676181A	4801676181A	ISOPHORONE	3/3/2014		Yes	N	U		U	160	8.2	ug/kg
4801676181A	4801676181A	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U		U	160	4.5	ug/kg
4801676181A	4801676181A	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	160	13	ug/kg
4801676181A	4801676181A	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	160	49	ug/kg
4801676181A	4801676181A	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	160	8.4	ug/kg
4801676181A	4801676181A	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	160	8.1	ug/kg
4801676181A	4801676181A	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	160	13	ug/kg
4801676181A	4801676181A	BENZO(B)FLUORANTHENE	3/3/2014		Yes	N	U		U	160	3.2	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801676181A	4801676181A	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	160	140	ug/kg
4801676181A	4801676181A	2-NITROPHENOL	3/3/2014		Yes	N	U		U	160	7.5	ug/kg
4801676181A	4801676181A	2-NITROANILINE	3/3/2014		Yes	N	U		U	320	52	ug/kg
4801676181A	4801676181A	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	160	5.0	ug/kg
4801676181A	4801676181A	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	160	2.0	ug/kg
4801676181A	4801676181A	3-NITROANILINE	3/3/2014		Yes	N	U		U	320	38	ug/kg
4801676181A	4801676181A	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	160	11	ug/kg
4801676181A	4801676181A	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	160	8.3	ug/kg
4801676181A	4801676181A	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	160	25	ug/kg
4801676181A	4801676181A	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	320	57	ug/kg
4801676181A	4801676181A	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	160	44	ug/kg
4801676181A	4801676181A	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	160	8.6	ug/kg
4801676181A	4801676181A	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	160	11	ug/kg
4801676181A	4801676181A	FLUORANTHENE	3/3/2014		Yes	N	U		U	160	2.4	ug/kg
4801676181A	4801676181A	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	160	36	ug/kg
4801676181A	4801676181A	ANTHRACENE	3/3/2014		Yes	N	U		U	160	4.2	ug/kg
4801676181A	4801676181A	BENZO(A)PYRENE	3/3/2014		Yes	N	U		U	160	3.9	ug/kg
4801676181A	4801676181A	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	160	40	ug/kg
4801676181A	4801676181A	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	320	57	ug/kg
4801676181A	4801676181A	BENZO(A)ANTHRACENE	3/3/2014		Yes	N	U		U	160	2.8	ug/kg
4801676181A	4801676181A	ATRAZINE	3/3/2014		Yes	N	U		U	160	7.3	ug/kg
4801676181A	4801676181A	ACETOPHENONE	3/3/2014		Yes	N	U		U	160	8.4	ug/kg
4801676181A	4801676181A	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	160	1.3	ug/kg
4801676181A	4801676181A	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	160	48	ug/kg
4801676181A	4801676181A	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	160	52	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801676181A	4801676181A	BENZALDEHYDE	3/3/2014		Yes	N	U		U	160	18	ug/kg
4801676181A	4801676181A	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	160	6.7	ug/kg
4801676181A	4801676181A	ACENAPHTHENE	3/3/2014		Yes	N	U		U	160	1.9	ug/kg
4801676181A	4801676181A	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	160	3.5	ug/kg
4801676181A	4801676181A	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	320	9.1	ug/kg
4801676181A	4801676181A	4-NITROANILINE	3/3/2014		Yes	N	U		U	320	18	ug/kg
4801676181A	4801676181A	4-NITROPHENOL	3/3/2014		Yes	N	U		U	320	40	ug/kg
4801676201A	4801676201A	CHRYSENE	3/3/2014		Yes	N	U		U	170	1.7	ug/kg
4801676201A	4801676201A	BENZO(K)FLUORANTHENE	3/3/2014		Yes	N	U		U	170	1.8	ug/kg
4801676201A	4801676201A	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	170	4.3	ug/kg
4801676201A	4801676201A	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	170	5.0	ug/kg
4801676201A	4801676201A	DIBENZOFURAN	3/3/2014		Yes	N	U		U	170	1.7	ug/kg
4801676201A	4801676201A	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	170	1.9	ug/kg
4801676201A	4801676201A	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	170	57	ug/kg
4801676201A	4801676201A	CARBAZOLE	3/3/2014		Yes	N	U		U	170	1.9	ug/kg
4801676201A	4801676201A	CAPROLACTAM	3/3/2014		Yes	N	U		U	170	71	ug/kg
4801676201A	4801676201A	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	170	53	ug/kg
4801676201A	4801676201A	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	170	17	ug/kg
4801676201A	4801676201A	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	170	14	ug/kg
4801676201A	4801676201A	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	170	9.0	ug/kg
4801676201A	4801676201A	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	170	44	ug/kg
4801676201A	4801676201A	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	170	10	ug/kg
4801676201A	4801676201A	ISOPHORONE	3/3/2014		Yes	N	U		U	170	8.3	ug/kg
4801676201A	4801676201A	3-NITROANILINE	3/3/2014		Yes	N	U		U	320	38	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801676201A	4801676201A	PHENOL	3/3/2014		Yes	N	U		U	170	17	ug/kg
4801676201A	4801676201A	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U		U	170	2.0	ug/kg
4801676201A	4801676201A	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	320	57	ug/kg
4801676201A	4801676201A	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	170	9.0	ug/kg
4801676201A	4801676201A	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	170	13	ug/kg
4801676201A	4801676201A	PHENANTHRENE	3/3/2014		Yes	N	U		U	170	3.5	ug/kg
4801676201A	4801676201A	NAPHTHALENE	3/3/2014		Yes	N	U		U	170	2.8	ug/kg
4801676201A	4801676201A	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	170	3.9	ug/kg
4801676201A	4801676201A	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U		U	170	4.6	ug/kg
4801676201A	4801676201A	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	170	13	ug/kg
4801676201A	4801676201A	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	170	8.5	ug/kg
4801676201A	4801676201A	PYRENE	3/3/2014		Yes	N	U		U	170	1.1	ug/kg
4801676201A	4801676201A	FLUORENE	3/3/2014		Yes	N	U		U	170	3.8	ug/kg
4801676201A	4801676201A	FLUORANTHENE	3/3/2014		Yes	N	U		U	170	2.4	ug/kg
4801676201A	4801676201A	NITROBENZENE	3/3/2014		Yes	N	U		U	170	7.3	ug/kg
4801676201A	4801676201A	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	170	26	ug/kg
4801676201A	4801676201A	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	170	53	ug/kg
4801676201A	4801676201A	2-NITROANILINE	3/3/2014		Yes	N	U		U	320	53	ug/kg
4801676201A	4801676201A	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	170	5.1	ug/kg
4801676201A	4801676201A	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	170	2.0	ug/kg
4801676201A	4801676201A	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	170	8.4	ug/kg
4801676201A	4801676201A	3,3'-DICHLOOROBENZIDINE	3/3/2014		Yes	N	U		U	170	140	ug/kg
4801676201A	4801676201A	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	170	40	ug/kg
4801676201A	4801676201A	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	320	57	ug/kg
4801676201A	4801676201A	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	320	58	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801676201A	4801676201A	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	170	45	ug/kg
4801676201A	4801676201A	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	170	8.7	ug/kg
4801676201A	4801676201A	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	170	11	ug/kg
4801676201A	4801676201A	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	170	36	ug/kg
4801676201A	4801676201A	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	170	50	ug/kg
4801676201A	4801676201A	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	170	11	ug/kg
4801676201A	4801676201A	ACENAPHTHENE	3/3/2014		Yes	N	U		U	170	1.9	ug/kg
4801676201A	4801676201A	BENZO(A)PYRENE	3/3/2014		Yes	N	U		U	170	4.0	ug/kg
4801676201A	4801676201A	BENZO(A)ANTHRACENE	3/3/2014		Yes	N	U		U	170	2.9	ug/kg
4801676201A	4801676201A	BENZALDEHYDE	3/3/2014		Yes	N	U		U	170	18	ug/kg
4801676201A	4801676201A	ATRAZINE	3/3/2014		Yes	N	U		U	170	7.4	ug/kg
4801676201A	4801676201A	ANTHRACENE	3/3/2014		Yes	N	U		U	170	4.2	ug/kg
4801676201A	4801676201A	2-NITROPHENOL	3/3/2014		Yes	N	U		U	170	7.6	ug/kg
4801676201A	4801676201A	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	170	1.4	ug/kg
4801676201A	4801676201A	BENZO(B)FLUORANTHENE	3/3/2014		Yes	N	U		U	170	3.2	ug/kg
4801676201A	4801676201A	4-NITROPHENOL	3/3/2014		Yes	N	U		U	320	40	ug/kg
4801676201A	4801676201A	4-NITROANILINE	3/3/2014		Yes	N	U		U	320	18	ug/kg
4801676201A	4801676201A	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	320	9.2	ug/kg
4801676201A	4801676201A	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	170	3.5	ug/kg
4801676201A	4801676201A	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	170	49	ug/kg
4801676201A	4801676201A	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	170	6.8	ug/kg
4801676201A	4801676201A	ACETOPHENONE	3/3/2014		Yes	N	U		U	170	8.5	ug/kg
4801676201A	4801676201A	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	170	8.2	ug/kg
CC-C-048-0-2-20140221	480-55157-1	ACENAPHTHENE	3/3/2014		Yes	N	U		U	1800	21	ug/kg
CC-C-048-0-2-20140221	480-55157-1	4-NITROPHENOL	3/3/2014		Yes	N	U		U	3500	440	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-048-0-2-20140221	480-55157-1	BENZO(A)PYRENE	3/3/2014		Yes	N	U		U	1800	44	ug/kg
CC-C-048-0-2-20140221	480-55157-1	ACETOPHENONE	3/3/2014		Yes	N	U		U	1800	93	ug/kg
CC-C-048-0-2-20140221	480-55157-1	ANTHRACENE	3/3/2014		Yes	N	U		U	1800	46	ug/kg
CC-C-048-0-2-20140221	480-55157-1	ATRAZINE	3/3/2014		Yes	N	U		U	1800	81	ug/kg
CC-C-048-0-2-20140221	480-55157-1	BENZALDEHYDE	3/3/2014		Yes	N	U		U	1800	200	ug/kg
CC-C-048-0-2-20140221	480-55157-1	BENZO(A)ANTHRACENE	3/3/2014	210	Yes	Y	J		J	1800	31	ug/kg
CC-C-048-0-2-20140221	480-55157-1	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	1800	15	ug/kg
CC-C-048-0-2-20140221	480-55157-1	BENZO(B)FLUORANTHENE	3/3/2014		Yes	N	U		U	1800	35	ug/kg
CC-C-048-0-2-20140221	480-55157-1	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U		U	1800	22	ug/kg
CC-C-048-0-2-20140221	480-55157-1	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	1800	580	ug/kg
CC-C-048-0-2-20140221	480-55157-1	BENZO(K)FLUORANTHENE	3/3/2014		Yes	N	U		U	1800	20	ug/kg
CC-C-048-0-2-20140221	480-55157-1	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	1800	110	ug/kg
CC-C-048-0-2-20140221	480-55157-1	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	1800	99	ug/kg
CC-C-048-0-2-20140221	480-55157-1	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	1800	160	ug/kg
CC-C-048-0-2-20140221	480-55157-1	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	1800	190	ug/kg
CC-C-048-0-2-20140221	480-55157-1	4-NITROANILINE	3/3/2014		Yes	N	U		U	3500	200	ug/kg
CC-C-048-0-2-20140221	480-55157-1	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1800	280	ug/kg
CC-C-048-0-2-20140221	480-55157-1	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1800	490	ug/kg
CC-C-048-0-2-20140221	480-55157-1	2-NITROANILINE	3/3/2014		Yes	N	U		U	3500	580	ug/kg
CC-C-048-0-2-20140221	480-55157-1	CAPROLACTAM	3/3/2014		Yes	N	U		U	1800	780	ug/kg
CC-C-048-0-2-20140221	480-55157-1	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1800	400	ug/kg
CC-C-048-0-2-20140221	480-55157-1	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1800	120	ug/kg
CC-C-048-0-2-20140221	480-55157-1	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	1800	95	ug/kg
CC-C-048-0-2-20140221	480-55157-1	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	1800	490	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-048-0-2-20140221	480-55157-1	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	3500	630	ug/kg
CC-C-048-0-2-20140221	480-55157-1	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1800	440	ug/kg
CC-C-048-0-2-20140221	480-55157-1	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	1800	92	ug/kg
CC-C-048-0-2-20140221	480-55157-1	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	1800	120	ug/kg
CC-C-048-0-2-20140221	480-55157-1	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	1800	56	ug/kg
CC-C-048-0-2-20140221	480-55157-1	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	3500	100	ug/kg
CC-C-048-0-2-20140221	480-55157-1	2-NITROPHENOL	3/3/2014		Yes	N	U		U	1800	83	ug/kg
CC-C-048-0-2-20140221	480-55157-1	3,3'-DICHLOOROBENZIDINE	3/3/2014		Yes	N	U		U	1800	1600	ug/kg
CC-C-048-0-2-20140221	480-55157-1	3-NITROANILINE	3/3/2014		Yes	N	U		U	3500	420	ug/kg
CC-C-048-0-2-20140221	480-55157-1	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	3500	630	ug/kg
CC-C-048-0-2-20140221	480-55157-1	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	1800	580	ug/kg
CC-C-048-0-2-20140221	480-55157-1	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	1800	75	ug/kg
CC-C-048-0-2-20140221	480-55157-1	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	1800	530	ug/kg
CC-C-048-0-2-20140221	480-55157-1	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	1800	39	ug/kg
CC-C-048-0-2-20140221	480-55157-1	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	1800	22	ug/kg
CC-C-048-0-2-20140221	480-55157-1	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	1800	93	ug/kg
CC-C-048-0-2-20140221	480-55157-1	PHENANTHRENE	3/3/2014	120	Yes	Y	J		J	1800	38	ug/kg
CC-C-048-0-2-20140221	480-55157-1	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	1800	550	ug/kg
CC-C-048-0-2-20140221	480-55157-1	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	1800	140	ug/kg
CC-C-048-0-2-20140221	480-55157-1	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U		U	1800	50	ug/kg
CC-C-048-0-2-20140221	480-55157-1	ISOPHORONE	3/3/2014		Yes	N	U		U	1800	91	ug/kg
CC-C-048-0-2-20140221	480-55157-1	NAPHTHALENE	3/3/2014		Yes	N	U		U	1800	30	ug/kg
CC-C-048-0-2-20140221	480-55157-1	NITROBENZENE	3/3/2014		Yes	N	U		U	1800	80	ug/kg
CC-C-048-0-2-20140221	480-55157-1	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	1800	140	ug/kg
CC-C-048-0-2-20140221	480-55157-1	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	3500	620	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-048-0-2-20140221	480-55157-1	PHENOL	3/3/2014		Yes	N	U		U	1800	190	ug/kg
CC-C-048-0-2-20140221	480-55157-1	PYRENE	3/3/2014	380	Yes	Y	J		J	1800	12	ug/kg
CC-C-048-0-2-20140221	480-55157-1	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1800	55	ug/kg
CC-C-048-0-2-20140221	480-55157-1	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	1800	99	ug/kg
CC-C-048-0-2-20140221	480-55157-1	CARBAZOLE	3/3/2014		Yes	N	U		U	1800	21	ug/kg
CC-C-048-0-2-20140221	480-55157-1	FLUORENE	3/3/2014		Yes	N	U		U	1800	42	ug/kg
CC-C-048-0-2-20140221	480-55157-1	CHRYSENE	3/3/2014	240	Yes	Y	J		J	1800	18	ug/kg
CC-C-048-0-2-20140221	480-55157-1	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	1800	21	ug/kg
CC-C-048-0-2-20140221	480-55157-1	DIBENZOFURAN	3/3/2014		Yes	N	U		U	1800	19	ug/kg
CC-C-048-0-2-20140221	480-55157-1	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1800	47	ug/kg
CC-C-048-0-2-20140221	480-55157-1	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	1800	90	ug/kg
CC-C-048-0-2-20140221	480-55157-1	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	1800	42	ug/kg
CC-C-048-0-2-20140221	480-55157-1	FLUORANTHENE	3/3/2014	340	Yes	Y	J		J	1800	26	ug/kg
CC-C-048-0-2-20140221	480-55157-1	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1800	630	ug/kg
CC-C-048-4-6-20140221	480-55157-3	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1800	490	ug/kg
CC-C-048-4-6-20140221	480-55157-3	CARBAZOLE	3/3/2014		Yes	N	U		U	1800	21	ug/kg
CC-C-048-4-6-20140221	480-55157-3	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	1800	43	ug/kg
CC-C-048-4-6-20140221	480-55157-3	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1800	630	ug/kg
CC-C-048-4-6-20140221	480-55157-3	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1800	48	ug/kg
CC-C-048-4-6-20140221	480-55157-3	DIBENZOFURAN	3/3/2014		Yes	N	U		U	1800	19	ug/kg
CC-C-048-4-6-20140221	480-55157-3	CHRYSENE	3/3/2014	790	Yes	Y	J		J	1800	18	ug/kg
CC-C-048-4-6-20140221	480-55157-3	CAPROLACTAM	3/3/2014		Yes	N	U		U	1800	790	ug/kg
CC-C-048-4-6-20140221	480-55157-3	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	1800	590	ug/kg
CC-C-048-4-6-20140221	480-55157-3	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	1800	190	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-048-4-6-20140221	480-55157-3	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	1800	160	ug/kg
CC-C-048-4-6-20140221	480-55157-3	FLUORANTHENE	3/3/2014	1400	Yes	Y	J		J	1800	26	ug/kg
CC-C-048-4-6-20140221	480-55157-3	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	1800	110	ug/kg
CC-C-048-4-6-20140221	480-55157-3	ISOPHORONE	3/3/2014		Yes	N	U		U	1800	91	ug/kg
CC-C-048-4-6-20140221	480-55157-3	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	1800	99	ug/kg
CC-C-048-4-6-20140221	480-55157-3	NAPHTHALENE	3/3/2014	66	Yes	Y	J		J	1800	30	ug/kg
CC-C-048-4-6-20140221	480-55157-3	PYRENE	3/3/2014	1700	Yes	Y	J	J	J	1800	12	ug/kg
CC-C-048-4-6-20140221	480-55157-3	PHENOL	3/3/2014		Yes	N	U		U	1800	190	ug/kg
CC-C-048-4-6-20140221	480-55157-3	PHENANTHRENE	3/3/2014	680	Yes	Y	J		J	1800	38	ug/kg
CC-C-048-4-6-20140221	480-55157-3	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	3600	630	ug/kg
CC-C-048-4-6-20140221	480-55157-3	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	1800	100	ug/kg
CC-C-048-4-6-20140221	480-55157-3	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	1800	140	ug/kg
CC-C-048-4-6-20140221	480-55157-3	NITROBENZENE	3/3/2014		Yes	N	U		U	1800	81	ug/kg
CC-C-048-4-6-20140221	480-55157-3	FLUORENE	3/3/2014	99	Yes	Y	J		J	1800	42	ug/kg
CC-C-048-4-6-20140221	480-55157-3	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	1800	21	ug/kg
CC-C-048-4-6-20140221	480-55157-3	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U		U	1800	51	ug/kg
CC-C-048-4-6-20140221	480-55157-3	BENZO(K)FLUORANTHENE	3/3/2014	520	Yes	Y	J		J	1800	20	ug/kg
CC-C-048-4-6-20140221	480-55157-3	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	1800	550	ug/kg
CC-C-048-4-6-20140221	480-55157-3	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	1800	94	ug/kg
CC-C-048-4-6-20140221	480-55157-3	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	1800	91	ug/kg
CC-C-048-4-6-20140221	480-55157-3	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	1800	140	ug/kg
CC-C-048-4-6-20140221	480-55157-3	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	1800	120	ug/kg
CC-C-048-4-6-20140221	480-55157-3	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	3600	630	ug/kg
CC-C-048-4-6-20140221	480-55157-3	3-NITROANILINE	3/3/2014		Yes	N	U		U	3600	420	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-048-4-6-20140221	480-55157-3	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	1800	1600	ug/kg
CC-C-048-4-6-20140221	480-55157-3	2-NITROPHENOL	3/3/2014		Yes	N	U		U	1800	84	ug/kg
CC-C-048-4-6-20140221	480-55157-3	2-NITROANILINE	3/3/2014		Yes	N	U		U	3600	590	ug/kg
CC-C-048-4-6-20140221	480-55157-3	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	1800	56	ug/kg
CC-C-048-4-6-20140221	480-55157-3	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	1800	580	ug/kg
CC-C-048-4-6-20140221	480-55157-3	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	1800	93	ug/kg
CC-C-048-4-6-20140221	480-55157-3	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	1800	490	ug/kg
CC-C-048-4-6-20140221	480-55157-3	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1800	450	ug/kg
CC-C-048-4-6-20140221	480-55157-3	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1800	280	ug/kg
CC-C-048-4-6-20140221	480-55157-3	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	3600	640	ug/kg
CC-C-048-4-6-20140221	480-55157-3	BENZO(G,H,I)PERYLENE	3/3/2014	380	Yes	Y	J		J	1800	22	ug/kg
CC-C-048-4-6-20140221	480-55157-3	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	1800	96	ug/kg
CC-C-048-4-6-20140221	480-55157-3	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1800	55	ug/kg
CC-C-048-4-6-20140221	480-55157-3	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1800	400	ug/kg
CC-C-048-4-6-20140221	480-55157-3	2-METHYLNAPHTHALENE	3/3/2014	45	Yes	Y	J		J	1800	22	ug/kg
CC-C-048-4-6-20140221	480-55157-3	BENZO(A)ANTHRACENE	3/3/2014	740	Yes	Y	J		J	1800	32	ug/kg
CC-C-048-4-6-20140221	480-55157-3	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1800	120	ug/kg
CC-C-048-4-6-20140221	480-55157-3	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	1800	75	ug/kg
CC-C-048-4-6-20140221	480-55157-3	BENZO(A)PYRENE	3/3/2014	570	Yes	Y	J		J	1800	44	ug/kg
CC-C-048-4-6-20140221	480-55157-3	BENZALDEHYDE	3/3/2014		Yes	N	U		U	1800	200	ug/kg
CC-C-048-4-6-20140221	480-55157-3	ATRAZINE	3/3/2014		Yes	N	U		U	1800	81	ug/kg
CC-C-048-4-6-20140221	480-55157-3	ANTHRACENE	3/3/2014	190	Yes	Y	J		J	1800	47	ug/kg
CC-C-048-4-6-20140221	480-55157-3	ACETOPHENONE	3/3/2014		Yes	N	U		U	1800	94	ug/kg
CC-C-048-4-6-20140221	480-55157-3	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	1800	15	ug/kg
CC-C-048-4-6-20140221	480-55157-3	4-NITROPHENOL	3/3/2014		Yes	N	U		U	3600	440	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-048-4-6-20140221	480-55157-3	4-NITROANILINE	3/3/2014		Yes	N	U		U	3600	200	ug/kg
CC-C-048-4-6-20140221	480-55157-3	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	3600	100	ug/kg
CC-C-048-4-6-20140221	480-55157-3	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	1800	540	ug/kg
CC-C-048-4-6-20140221	480-55157-3	ACENAPHTHENE	3/3/2014	120	Yes	Y	J		J	1800	21	ug/kg
CC-C-048-4-6-20140221	480-55157-3	BENZO(B)FLUORANTHENE	3/3/2014	720	Yes	Y	J		J	1800	35	ug/kg
CC-C-048-4-6-20140221	480-55157-3	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	1800	39	ug/kg
CC-C-048-8-10-20140221	480-55157-4	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	190	20	ug/kg
CC-C-048-8-10-20140221	480-55157-4	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U	UJ	UJ	190	4.4	ug/kg
CC-C-048-8-10-20140221	480-55157-4	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	190	65	ug/kg
CC-C-048-8-10-20140221	480-55157-4	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	190	4.9	ug/kg
CC-C-048-8-10-20140221	480-55157-4	DIBENZOFURAN	3/3/2014	83	Yes	Y	J		J	190	2.0	ug/kg
CC-C-048-8-10-20140221	480-55157-4	CHRYSENE	3/3/2014	810	Yes	Y		J	J	190	1.9	ug/kg
CC-C-048-8-10-20140221	480-55157-4	CARBAZOLE	3/3/2014	48	Yes	Y	J		J	190	2.2	ug/kg
CC-C-048-8-10-20140221	480-55157-4	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014	250	Yes	Y		J	J	190	61	ug/kg
CC-C-048-8-10-20140221	480-55157-4	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	190	16	ug/kg
CC-C-048-8-10-20140221	480-55157-4	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	190	10	ug/kg
CC-C-048-8-10-20140221	480-55157-4	FLUORANTHENE	3/3/2014	1000	Yes	Y				190	2.7	ug/kg
CC-C-048-8-10-20140221	480-55157-4	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	190	15	ug/kg
CC-C-048-8-10-20140221	480-55157-4	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	190	50	ug/kg
CC-C-048-8-10-20140221	480-55157-4	BIPHENYL (DIPHENYL)	3/3/2014	12	Yes	Y	J		J	190	12	ug/kg
CC-C-048-8-10-20140221	480-55157-4	CAPROLACTAM	3/3/2014		Yes	N	U		U	190	81	ug/kg
CC-C-048-8-10-20140221	480-55157-4	NITROBENZENE	3/3/2014		Yes	N	U		U	190	8.3	ug/kg
CC-C-048-8-10-20140221	480-55157-4	BENZO(K)FLUORANTHENE	3/3/2014	280	Yes	Y				190	2.1	ug/kg
CC-C-048-8-10-20140221	480-55157-4	DIBENZ(A,H)ANTHRACENE	3/3/2014	81	Yes	Y	J	J	J	190	2.2	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-048-8-10-20140221	480-55157-4	PYRENE	3/3/2014	1500	Yes	Y				190	1.2	ug/kg
CC-C-048-8-10-20140221	480-55157-4	PHENOL	3/3/2014		Yes	N	U		U	190	20	ug/kg
CC-C-048-8-10-20140221	480-55157-4	PHENANTHRENE	3/3/2014	710	Yes	Y				190	3.9	ug/kg
CC-C-048-8-10-20140221	480-55157-4	NAPHTHALENE	3/3/2014	63	Yes	Y	J		J	190	3.1	ug/kg
CC-C-048-8-10-20140221	480-55157-4	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	190	10	ug/kg
CC-C-048-8-10-20140221	480-55157-4	FLUORENE	3/3/2014	170	Yes	Y	J		J	190	4.3	ug/kg
CC-C-048-8-10-20140221	480-55157-4	ISOPHORONE	3/3/2014		Yes	N	U		U	190	9.4	ug/kg
CC-C-048-8-10-20140221	480-55157-4	INDENO(1,2,3-C,D)PYRENE	3/3/2014	310	Yes	Y		J	J	190	5.2	ug/kg
CC-C-048-8-10-20140221	480-55157-4	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	190	15	ug/kg
CC-C-048-8-10-20140221	480-55157-4	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U	UJ	UJ	190	57	ug/kg
CC-C-048-8-10-20140221	480-55157-4	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	190	9.6	ug/kg
CC-C-048-8-10-20140221	480-55157-4	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	190	9.3	ug/kg
CC-C-048-8-10-20140221	480-55157-4	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	370	64	ug/kg
CC-C-048-8-10-20140221	480-55157-4	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	190	13	ug/kg
CC-C-048-8-10-20140221	480-55157-4	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	190	60	ug/kg
CC-C-048-8-10-20140221	480-55157-4	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	370	65	ug/kg
CC-C-048-8-10-20140221	480-55157-4	3-NITROANILINE	3/3/2014		Yes	N	U		U	370	43	ug/kg
CC-C-048-8-10-20140221	480-55157-4	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U	UJ	UJ	190	160	ug/kg
CC-C-048-8-10-20140221	480-55157-4	2-NITROPHENOL	3/3/2014		Yes	N	U		U	190	8.6	ug/kg
CC-C-048-8-10-20140221	480-55157-4	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	9.9	ug/kg
CC-C-048-8-10-20140221	480-55157-4	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	190	7.7	ug/kg
CC-C-048-8-10-20140221	480-55157-4	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	190	9.6	ug/kg
CC-C-048-8-10-20140221	480-55157-4	2-NITROANILINE	3/3/2014		Yes	N	U		U	370	60	ug/kg
CC-C-048-8-10-20140221	480-55157-4	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	190	46	ug/kg
CC-C-048-8-10-20140221	480-55157-4	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	190	29	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-048-8-10-20140221	480-55157-4	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	370	66	ug/kg
CC-C-048-8-10-20140221	480-55157-4	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	190	51	ug/kg
CC-C-048-8-10-20140221	480-55157-4	BENZO(G,H,I)PERYLENE	3/3/2014	300	Yes	Y		J	J	190	2.3	ug/kg
CC-C-048-8-10-20140221	480-55157-4	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	190	5.7	ug/kg
CC-C-048-8-10-20140221	480-55157-4	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	190	5.8	ug/kg
CC-C-048-8-10-20140221	480-55157-4	BENZO(A)PYRENE	3/3/2014	440	Yes	Y				190	4.5	ug/kg
CC-C-048-8-10-20140221	480-55157-4	2-METHYLNAPHTHALENE	3/3/2014	45	Yes	Y	J		J	190	2.3	ug/kg
CC-C-048-8-10-20140221	480-55157-4	BENZO(B)FLUORANTHENE	3/3/2014	620	Yes	Y				190	3.6	ug/kg
CC-C-048-8-10-20140221	480-55157-4	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	190	55	ug/kg
CC-C-048-8-10-20140221	480-55157-4	BENZO(A)ANTHRACENE	3/3/2014	620	Yes	Y		J	J	190	3.2	ug/kg
CC-C-048-8-10-20140221	480-55157-4	BENZALDEHYDE	3/3/2014		Yes	N	U	R	R	190	21	ug/kg
CC-C-048-8-10-20140221	480-55157-4	ATRAZINE	3/3/2014		Yes	N	U		U	190	8.4	ug/kg
CC-C-048-8-10-20140221	480-55157-4	ANTHRACENE	3/3/2014	510	Yes	Y				190	4.8	ug/kg
CC-C-048-8-10-20140221	480-55157-4	ACETOPHENONE	3/3/2014	22	Yes	Y	J		J	190	9.6	ug/kg
CC-C-048-8-10-20140221	480-55157-4	ACENAPHTHENE	3/3/2014	220	Yes	Y				190	2.2	ug/kg
CC-C-048-8-10-20140221	480-55157-4	4-NITROPHENOL	3/3/2014		Yes	N	U		U	370	46	ug/kg
CC-C-048-8-10-20140221	480-55157-4	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	41	ug/kg
CC-C-048-8-10-20140221	480-55157-4	4-NITROANILINE	3/3/2014		Yes	N	U		U	370	21	ug/kg
CC-C-048-8-10-20140221	480-55157-4	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	12	ug/kg
CC-C-048-8-10-20140221	480-55157-4	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	370	10	ug/kg
CC-C-048-8-10-20140221	480-55157-4	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	190	4.0	ug/kg
CC-C-048-8-10-20140221	480-55157-4	ACENAPHTHYLENE	3/3/2014	14	Yes	Y	J		J	190	1.5	ug/kg
CC-C-049-0-2-20140221	480-55157-5	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	210	11	ug/kg
CC-C-049-0-2-20140221	480-55157-5	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	210	73	ug/kg
CC-C-049-0-2-20140221	480-55157-5	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	210	5.5	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-049-0-2-20140221	480-55157-5	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	210	6.3	ug/kg
CC-C-049-0-2-20140221	480-55157-5	DIBENZOFURAN	3/3/2014	16	Yes	Y	J		J	210	2.2	ug/kg
CC-C-049-0-2-20140221	480-55157-5	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	210	2.5	ug/kg
CC-C-049-0-2-20140221	480-55157-5	CHRYSENE	3/3/2014	290	Yes	Y				210	2.1	ug/kg
CC-C-049-0-2-20140221	480-55157-5	CARBAZOLE	3/3/2014	22	Yes	Y	J		J	210	2.4	ug/kg
CC-C-049-0-2-20140221	480-55157-5	CAPROLACTAM	3/3/2014		Yes	N	U		U	210	91	ug/kg
CC-C-049-0-2-20140221	480-55157-5	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	210	68	ug/kg
CC-C-049-0-2-20140221	480-55157-5	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	210	56	ug/kg
CC-C-049-0-2-20140221	480-55157-5	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	210	18	ug/kg
CC-C-049-0-2-20140221	480-55157-5	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	210	13	ug/kg
CC-C-049-0-2-20140221	480-55157-5	DI-N-OCTYLPHthalate	3/3/2014		Yes	N	U		U	210	4.9	ug/kg
CC-C-049-0-2-20140221	480-55157-5	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	210	22	ug/kg
CC-C-049-0-2-20140221	480-55157-5	ISOPHORONE	3/3/2014		Yes	N	U		U	210	10	ug/kg
CC-C-049-0-2-20140221	480-55157-5	BENZO(B)FLUORANTHENE	3/3/2014	370	Yes	Y				210	4.1	ug/kg
CC-C-049-0-2-20140221	480-55157-5	PYRENE	3/3/2014	530	Yes	Y				210	1.4	ug/kg
CC-C-049-0-2-20140221	480-55157-5	PHENANTHRENE	3/3/2014	210	Yes	Y				210	4.4	ug/kg
CC-C-049-0-2-20140221	480-55157-5	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	410	72	ug/kg
CC-C-049-0-2-20140221	480-55157-5	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	210	11	ug/kg
CC-C-049-0-2-20140221	480-55157-5	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	210	17	ug/kg
CC-C-049-0-2-20140221	480-55157-5	PHENOL	3/3/2014		Yes	N	U		U	210	22	ug/kg
CC-C-049-0-2-20140221	480-55157-5	NAPHTHALENE	3/3/2014	14	Yes	Y	J		J	210	3.5	ug/kg
CC-C-049-0-2-20140221	480-55157-5	FLUORANTHENE	3/3/2014	320	Yes	Y				210	3.0	ug/kg
CC-C-049-0-2-20140221	480-55157-5	INDENO(1,2,3-C,D)PYRENE	3/3/2014	270	Yes	Y				210	5.8	ug/kg
CC-C-049-0-2-20140221	480-55157-5	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	210	16	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-049-0-2-20140221	480-55157-5	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	210	63	ug/kg
CC-C-049-0-2-20140221	480-55157-5	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	210	11	ug/kg
CC-C-049-0-2-20140221	480-55157-5	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	210	10	ug/kg
CC-C-049-0-2-20140221	480-55157-5	FLUORENE	3/3/2014	22	Yes	Y	J		J	210	4.8	ug/kg
CC-C-049-0-2-20140221	480-55157-5	NITROBENZENE	3/3/2014		Yes	N	U		U	210	9.3	ug/kg
CC-C-049-0-2-20140221	480-55157-5	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	210	32	ug/kg
CC-C-049-0-2-20140221	480-55157-5	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	210	180	ug/kg
CC-C-049-0-2-20140221	480-55157-5	2-NITROPHENOL	3/3/2014		Yes	N	U		U	210	9.6	ug/kg
CC-C-049-0-2-20140221	480-55157-5	2-NITROANILINE	3/3/2014		Yes	N	U		U	410	67	ug/kg
CC-C-049-0-2-20140221	480-55157-5	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	210	6.5	ug/kg
CC-C-049-0-2-20140221	480-55157-5	2-METHYLNAPHTHALENE	3/3/2014	10	Yes	Y	J		J	210	2.5	ug/kg
CC-C-049-0-2-20140221	480-55157-5	3-NITROANILINE	3/3/2014		Yes	N	U		U	410	48	ug/kg
CC-C-049-0-2-20140221	480-55157-5	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	210	14	ug/kg
CC-C-049-0-2-20140221	480-55157-5	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	210	11	ug/kg
CC-C-049-0-2-20140221	480-55157-5	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	410	73	ug/kg
CC-C-049-0-2-20140221	480-55157-5	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	210	57	ug/kg
CC-C-049-0-2-20140221	480-55157-5	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	210	11	ug/kg
CC-C-049-0-2-20140221	480-55157-5	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	210	14	ug/kg
CC-C-049-0-2-20140221	480-55157-5	BENZO(G,H,I)PERYLENE	3/3/2014	230	Yes	Y				210	2.5	ug/kg
CC-C-049-0-2-20140221	480-55157-5	BENZO(K)FLUORANTHENE	3/3/2014	180	Yes	Y	J		J	210	2.3	ug/kg
CC-C-049-0-2-20140221	480-55157-5	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	210	46	ug/kg
CC-C-049-0-2-20140221	480-55157-5	BENZO(A)ANTHRACENE	3/3/2014	270	Yes	Y				210	3.6	ug/kg
CC-C-049-0-2-20140221	480-55157-5	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	210	51	ug/kg
CC-C-049-0-2-20140221	480-55157-5	BENZO(A)PYRENE	3/3/2014	290	Yes	Y				210	5.1	ug/kg
CC-C-049-0-2-20140221	480-55157-5	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	410	72	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-049-0-2-20140221	480-55157-5	BENZALDEHYDE	3/3/2014		Yes	N	U		U	210	23	ug/kg
CC-C-049-0-2-20140221	480-55157-5	ATRAZINE	3/3/2014		Yes	N	U		U	210	9.3	ug/kg
CC-C-049-0-2-20140221	480-55157-5	ANTHRACENE	3/3/2014	57	Yes	Y	J		J	210	5.4	ug/kg
CC-C-049-0-2-20140221	480-55157-5	ACETOPHENONE	3/3/2014		Yes	N	U		U	210	11	ug/kg
CC-C-049-0-2-20140221	480-55157-5	ACENAPHTHYLENE	3/3/2014	11	Yes	Y	J		J	210	1.7	ug/kg
CC-C-049-0-2-20140221	480-55157-5	ACENAPHTHENE	3/3/2014	24	Yes	Y	J		J	210	2.5	ug/kg
CC-C-049-0-2-20140221	480-55157-5	4-NITROPHENOL	3/3/2014		Yes	N	U		U	410	51	ug/kg
CC-C-049-0-2-20140221	480-55157-5	4-NITROANILINE	3/3/2014		Yes	N	U		U	410	23	ug/kg
CC-C-049-0-2-20140221	480-55157-5	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	410	12	ug/kg
CC-C-049-0-2-20140221	480-55157-5	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	210	4.5	ug/kg
CC-C-049-0-2-20140221	480-55157-5	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	210	62	ug/kg
CC-C-049-0-2-20140221	480-55157-5	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	210	8.6	ug/kg
CC-C-049-0-2-20140221	480-55157-5	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	210	67	ug/kg
CC-C-049-2-4-20140221	480-55157-6	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	1900	100	ug/kg
CC-C-049-2-4-20140221	480-55157-6	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	640	ug/kg
CC-C-049-2-4-20140221	480-55157-6	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	48	ug/kg
CC-C-049-2-4-20140221	480-55157-6	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	56	ug/kg
CC-C-049-2-4-20140221	480-55157-6	DIBENZOFURAN	3/3/2014	65	Yes	Y	J		J	1900	19	ug/kg
CC-C-049-2-4-20140221	480-55157-6	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	1900	22	ug/kg
CC-C-049-2-4-20140221	480-55157-6	CHRYSENE	3/3/2014	570	Yes	Y	J		J	1900	18	ug/kg
CC-C-049-2-4-20140221	480-55157-6	CARBAZOLE	3/3/2014		Yes	N	U		U	1900	21	ug/kg
CC-C-049-2-4-20140221	480-55157-6	CAPROLACTAM	3/3/2014		Yes	N	U		U	1900	800	ug/kg
CC-C-049-2-4-20140221	480-55157-6	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	1900	600	ug/kg
CC-C-049-2-4-20140221	480-55157-6	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	500	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-049-2-4-20140221	480-55157-6	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	1900	160	ug/kg
CC-C-049-2-4-20140221	480-55157-6	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	1900	43	ug/kg
CC-C-049-2-4-20140221	480-55157-6	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-049-2-4-20140221	480-55157-6	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	1900	190	ug/kg
CC-C-049-2-4-20140221	480-55157-6	ISOPHORONE	3/3/2014		Yes	N	U		U	1900	92	ug/kg
CC-C-049-2-4-20140221	480-55157-6	PYRENE	3/3/2014	1100	Yes	Y	J		J	1900	12	ug/kg
CC-C-049-2-4-20140221	480-55157-6	BENZO(K)FLUORANTHENE	3/3/2014	300	Yes	Y	J		J	1900	20	ug/kg
CC-C-049-2-4-20140221	480-55157-6	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	3600	630	ug/kg
CC-C-049-2-4-20140221	480-55157-6	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	1900	100	ug/kg
CC-C-049-2-4-20140221	480-55157-6	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	1900	150	ug/kg
CC-C-049-2-4-20140221	480-55157-6	PHENOL	3/3/2014		Yes	N	U		U	1900	190	ug/kg
CC-C-049-2-4-20140221	480-55157-6	NAPHTHALENE	3/3/2014	69	Yes	Y	J		J	1900	31	ug/kg
CC-C-049-2-4-20140221	480-55157-6	FLUORANTHENE	3/3/2014	650	Yes	Y	J		J	1900	27	ug/kg
CC-C-049-2-4-20140221	480-55157-6	INDENO(1,2,3-C,D)PYRENE	3/3/2014	310	Yes	Y	J		J	1900	51	ug/kg
CC-C-049-2-4-20140221	480-55157-6	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	1900	140	ug/kg
CC-C-049-2-4-20140221	480-55157-6	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	1900	560	ug/kg
CC-C-049-2-4-20140221	480-55157-6	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	1900	95	ug/kg
CC-C-049-2-4-20140221	480-55157-6	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	1900	92	ug/kg
CC-C-049-2-4-20140221	480-55157-6	FLUORENE	3/3/2014	80	Yes	Y	J		J	1900	43	ug/kg
CC-C-049-2-4-20140221	480-55157-6	NITROBENZENE	3/3/2014		Yes	N	U		U	1900	82	ug/kg
CC-C-049-2-4-20140221	480-55157-6	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1900	450	ug/kg
CC-C-049-2-4-20140221	480-55157-6	3-NITROANILINE	3/3/2014		Yes	N	U		U	3600	430	ug/kg
CC-C-049-2-4-20140221	480-55157-6	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	1900	1600	ug/kg
CC-C-049-2-4-20140221	480-55157-6	2-NITROPHENOL	3/3/2014		Yes	N	U		U	1900	85	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-049-2-4-20140221	480-55157-6	2-NITROANILINE	3/3/2014		Yes	N	U		U	3600	590	ug/kg
CC-C-049-2-4-20140221	480-55157-6	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	1900	57	ug/kg
CC-C-049-2-4-20140221	480-55157-6	2-METHYLNAPHTHALENE	3/3/2014	42	Yes	Y	J		J	1900	22	ug/kg
CC-C-049-2-4-20140221	480-55157-6	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	3600	640	ug/kg
CC-C-049-2-4-20140221	480-55157-6	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-049-2-4-20140221	480-55157-6	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	400	ug/kg
CC-C-049-2-4-20140221	480-55157-6	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1900	290	ug/kg
CC-C-049-2-4-20140221	480-55157-6	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	3600	650	ug/kg
CC-C-049-2-4-20140221	480-55157-6	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	1900	500	ug/kg
CC-C-049-2-4-20140221	480-55157-6	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	97	ug/kg
CC-C-049-2-4-20140221	480-55157-6	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-049-2-4-20140221	480-55157-6	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U		U	1900	22	ug/kg
CC-C-049-2-4-20140221	480-55157-6	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	94	ug/kg
CC-C-049-2-4-20140221	480-55157-6	ATRAZINE	3/3/2014		Yes	N	U		U	1900	82	ug/kg
CC-C-049-2-4-20140221	480-55157-6	PHENANTHRENE	3/3/2014	540	Yes	Y	J		J	1900	39	ug/kg
CC-C-049-2-4-20140221	480-55157-6	BENZO(A)PYRENE	3/3/2014	380	Yes	Y	J		J	1900	45	ug/kg
CC-C-049-2-4-20140221	480-55157-6	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	1900	590	ug/kg
CC-C-049-2-4-20140221	480-55157-6	BENZALDEHYDE	3/3/2014		Yes	N	U		U	1900	200	ug/kg
CC-C-049-2-4-20140221	480-55157-6	BENZO(B)FLUORANTHENE	3/3/2014	510	Yes	Y	J		J	1900	36	ug/kg
CC-C-049-2-4-20140221	480-55157-6	ANTHRACENE	3/3/2014	140	Yes	Y	J		J	1900	47	ug/kg
CC-C-049-2-4-20140221	480-55157-6	ACETOPHENONE	3/3/2014		Yes	N	U		U	1900	95	ug/kg
CC-C-049-2-4-20140221	480-55157-6	ACENAPHTHENE	3/3/2014	110	Yes	Y	J		J	1900	22	ug/kg
CC-C-049-2-4-20140221	480-55157-6	4-NITROPHENOL	3/3/2014		Yes	N	U		U	3600	450	ug/kg
CC-C-049-2-4-20140221	480-55157-6	4-NITROANILINE	3/3/2014		Yes	N	U		U	3600	210	ug/kg
CC-C-049-2-4-20140221	480-55157-6	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	3600	100	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-049-2-4-20140221	480-55157-6	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	1900	39	ug/kg
CC-C-049-2-4-20140221	480-55157-6	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	1900	540	ug/kg
CC-C-049-2-4-20140221	480-55157-6	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	1900	15	ug/kg
CC-C-049-2-4-20140221	480-55157-6	BENZO(A)ANTHRACENE	3/3/2014	480	Yes	Y	J		J	1900	32	ug/kg
CC-C-049-2-4-20140221	480-55157-6	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	1900	76	ug/kg
CC-C-049-8-10-20140221	480-55157-7	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	190	4.4	ug/kg
CC-C-049-8-10-20140221	480-55157-7	CHRYSENE	3/3/2014	150	Yes	Y	J		J	190	1.9	ug/kg
CC-C-049-8-10-20140221	480-55157-7	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	190	2.2	ug/kg
CC-C-049-8-10-20140221	480-55157-7	DIBENZOFURAN	3/3/2014	10	Yes	Y	J		J	190	2.0	ug/kg
CC-C-049-8-10-20140221	480-55157-7	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	190	5.7	ug/kg
CC-C-049-8-10-20140221	480-55157-7	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	190	65	ug/kg
CC-C-049-8-10-20140221	480-55157-7	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	190	4.9	ug/kg
CC-C-049-8-10-20140221	480-55157-7	CARBAZOLE	3/3/2014	16	Yes	Y	J		J	190	2.2	ug/kg
CC-C-049-8-10-20140221	480-55157-7	CAPROLACTAM	3/3/2014		Yes	N	U		U	190	82	ug/kg
CC-C-049-8-10-20140221	480-55157-7	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	190	61	ug/kg
CC-C-049-8-10-20140221	480-55157-7	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	190	20	ug/kg
CC-C-049-8-10-20140221	480-55157-7	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	190	16	ug/kg
CC-C-049-8-10-20140221	480-55157-7	FLUORANTHENE	3/3/2014	240	Yes	Y				190	2.7	ug/kg
CC-C-049-8-10-20140221	480-55157-7	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	190	12	ug/kg
CC-C-049-8-10-20140221	480-55157-7	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	190	15	ug/kg
CC-C-049-8-10-20140221	480-55157-7	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	190	10	ug/kg
CC-C-049-8-10-20140221	480-55157-7	NITROBENZENE	3/3/2014		Yes	N	U		U	190	8.4	ug/kg
CC-C-049-8-10-20140221	480-55157-7	BENZO(B)FLUORANTHENE	3/3/2014	170	Yes	Y	J		J	190	3.7	ug/kg
CC-C-049-8-10-20140221	480-55157-7	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	190	51	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-049-8-10-20140221	480-55157-7	PYRENE	3/3/2014	400	Yes	Y				190	1.2	ug/kg
CC-C-049-8-10-20140221	480-55157-7	PHENOL	3/3/2014		Yes	N	U		U	190	20	ug/kg
CC-C-049-8-10-20140221	480-55157-7	PHENANTHRENE	3/3/2014	150	Yes	Y	J		J	190	4.0	ug/kg
CC-C-049-8-10-20140221	480-55157-7	NAPHTHALENE	3/3/2014	11	Yes	Y	J		J	190	3.1	ug/kg
CC-C-049-8-10-20140221	480-55157-7	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	190	10	ug/kg
CC-C-049-8-10-20140221	480-55157-7	FLUORENE	3/3/2014	22	Yes	Y	J		J	190	4.4	ug/kg
CC-C-049-8-10-20140221	480-55157-7	ISOPHORONE	3/3/2014		Yes	N	U		U	190	9.4	ug/kg
CC-C-049-8-10-20140221	480-55157-7	INDENO(1,2,3-C,D)PYRENE	3/3/2014	90	Yes	Y	J		J	190	5.2	ug/kg
CC-C-049-8-10-20140221	480-55157-7	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	190	15	ug/kg
CC-C-049-8-10-20140221	480-55157-7	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	190	57	ug/kg
CC-C-049-8-10-20140221	480-55157-7	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	190	9.7	ug/kg
CC-C-049-8-10-20140221	480-55157-7	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	190	9.4	ug/kg
CC-C-049-8-10-20140221	480-55157-7	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	370	65	ug/kg
CC-C-049-8-10-20140221	480-55157-7	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	190	13	ug/kg
CC-C-049-8-10-20140221	480-55157-7	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	370	65	ug/kg
CC-C-049-8-10-20140221	480-55157-7	3-NITROANILINE	3/3/2014		Yes	N	U		U	370	43	ug/kg
CC-C-049-8-10-20140221	480-55157-7	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	190	170	ug/kg
CC-C-049-8-10-20140221	480-55157-7	2-NITROPHENOL	3/3/2014		Yes	N	U		U	190	8.6	ug/kg
CC-C-049-8-10-20140221	480-55157-7	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	9.9	ug/kg
CC-C-049-8-10-20140221	480-55157-7	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	190	5.8	ug/kg
CC-C-049-8-10-20140221	480-55157-7	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	190	60	ug/kg
CC-C-049-8-10-20140221	480-55157-7	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	190	9.6	ug/kg
CC-C-049-8-10-20140221	480-55157-7	2-NITROANILINE	3/3/2014		Yes	N	U		U	370	61	ug/kg
CC-C-049-8-10-20140221	480-55157-7	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	190	46	ug/kg
CC-C-049-8-10-20140221	480-55157-7	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	190	29	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-049-8-10-20140221	480-55157-7	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	370	66	ug/kg
CC-C-049-8-10-20140221	480-55157-7	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	190	51	ug/kg
CC-C-049-8-10-20140221	480-55157-7	BENZO(K)FLUORANTHENE	3/3/2014	78	Yes	Y	J		J	190	2.1	ug/kg
CC-C-049-8-10-20140221	480-55157-7	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	41	ug/kg
CC-C-049-8-10-20140221	480-55157-7	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	12	ug/kg
CC-C-049-8-10-20140221	480-55157-7	ATRAZINE	3/3/2014		Yes	N	U		U	190	8.4	ug/kg
CC-C-049-8-10-20140221	480-55157-7	2-METHYLNAPHTHALENE	3/3/2014	4.8	Yes	Y	J		J	190	2.3	ug/kg
CC-C-049-8-10-20140221	480-55157-7	BENZO(G,H,I)PERYLENE	3/3/2014	100	Yes	Y	J		J	190	2.3	ug/kg
CC-C-049-8-10-20140221	480-55157-7	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	190	7.8	ug/kg
CC-C-049-8-10-20140221	480-55157-7	BENZO(A)PYRENE	3/3/2014	140	Yes	Y	J		J	190	4.6	ug/kg
CC-C-049-8-10-20140221	480-55157-7	BENZALDEHYDE	3/3/2014		Yes	N	U		U	190	21	ug/kg
CC-C-049-8-10-20140221	480-55157-7	ANTHRACENE	3/3/2014	50	Yes	Y	J		J	190	4.8	ug/kg
CC-C-049-8-10-20140221	480-55157-7	ACETOPHENONE	3/3/2014		Yes	N	U		U	190	9.7	ug/kg
CC-C-049-8-10-20140221	480-55157-7	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	190	1.5	ug/kg
CC-C-049-8-10-20140221	480-55157-7	ACENAPHTHENE	3/3/2014	33	Yes	Y	J		J	190	2.2	ug/kg
CC-C-049-8-10-20140221	480-55157-7	4-NITROPHENOL	3/3/2014		Yes	N	U		U	370	46	ug/kg
CC-C-049-8-10-20140221	480-55157-7	4-NITROANILINE	3/3/2014		Yes	N	U		U	370	21	ug/kg
CC-C-049-8-10-20140221	480-55157-7	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	370	11	ug/kg
CC-C-049-8-10-20140221	480-55157-7	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	190	4.0	ug/kg
CC-C-049-8-10-20140221	480-55157-7	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	190	55	ug/kg
CC-C-049-8-10-20140221	480-55157-7	BENZO(A)ANTHRACENE	3/3/2014	150	Yes	Y	J		J	190	3.3	ug/kg
CC-C-050-0-2-20140221	480-55157-8	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	180	11	ug/kg
CC-C-050-0-2-20140221	480-55157-8	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	180	2.2	ug/kg
CC-C-050-0-2-20140221	480-55157-8	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	180	63	ug/kg
CC-C-050-0-2-20140221	480-55157-8	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	180	4.8	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-050-0-2-20140221	480-55157-8	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	180	5.5	ug/kg
CC-C-050-0-2-20140221	480-55157-8	DIBENZOFURAN	3/3/2014	5.2	Yes	Y	J		J	180	1.9	ug/kg
CC-C-050-0-2-20140221	480-55157-8	CHRYSENE	3/3/2014	200	Yes	Y				180	1.8	ug/kg
CC-C-050-0-2-20140221	480-55157-8	CARBAZOLE	3/3/2014	15	Yes	Y	J		J	180	2.1	ug/kg
CC-C-050-0-2-20140221	480-55157-8	CAPROLACTAM	3/3/2014		Yes	N	U		U	180	79	ug/kg
CC-C-050-0-2-20140221	480-55157-8	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014	150	Yes	Y	J		J	180	59	ug/kg
CC-C-050-0-2-20140221	480-55157-8	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	180	19	ug/kg
CC-C-050-0-2-20140221	480-55157-8	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	180	16	ug/kg
CC-C-050-0-2-20140221	480-55157-8	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	180	10	ug/kg
CC-C-050-0-2-20140221	480-55157-8	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	180	49	ug/kg
CC-C-050-0-2-20140221	480-55157-8	NAPHTHALENE	3/3/2014	7.5	Yes	Y	J		J	180	3.1	ug/kg
CC-C-050-0-2-20140221	480-55157-8	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	180	4.3	ug/kg
CC-C-050-0-2-20140221	480-55157-8	BENZO(K)FLUORANTHENE	3/3/2014	120	Yes	Y	J		J	180	2.0	ug/kg
CC-C-050-0-2-20140221	480-55157-8	PYRENE	3/3/2014	360	Yes	Y				180	1.2	ug/kg
CC-C-050-0-2-20140221	480-55157-8	PHENANTHRENE	3/3/2014	130	Yes	Y	J		J	180	3.9	ug/kg
CC-C-050-0-2-20140221	480-55157-8	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	360	63	ug/kg
CC-C-050-0-2-20140221	480-55157-8	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	180	10	ug/kg
CC-C-050-0-2-20140221	480-55157-8	PHENOL	3/3/2014		Yes	N	U		U	180	19	ug/kg
CC-C-050-0-2-20140221	480-55157-8	NITROBENZENE	3/3/2014		Yes	N	U		U	180	8.1	ug/kg
CC-C-050-0-2-20140221	480-55157-8	FLUORANTHENE	3/3/2014	210	Yes	Y				180	2.7	ug/kg
CC-C-050-0-2-20140221	480-55157-8	ISOPHORONE	3/3/2014		Yes	N	U		U	180	9.2	ug/kg
CC-C-050-0-2-20140221	480-55157-8	INDENO(1,2,3-C,D)PYRENE	3/3/2014	170	Yes	Y	J		J	180	5.1	ug/kg
CC-C-050-0-2-20140221	480-55157-8	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	180	14	ug/kg
CC-C-050-0-2-20140221	480-55157-8	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	180	56	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-050-0-2-20140221	480-55157-8	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	180	9.4	ug/kg
CC-C-050-0-2-20140221	480-55157-8	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	180	9.1	ug/kg
CC-C-050-0-2-20140221	480-55157-8	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	180	15	ug/kg
CC-C-050-0-2-20140221	480-55157-8	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	180	28	ug/kg
CC-C-050-0-2-20140221	480-55157-8	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	180	160	ug/kg
CC-C-050-0-2-20140221	480-55157-8	2-NITROPHENOL	3/3/2014		Yes	N	U		U	180	8.4	ug/kg
CC-C-050-0-2-20140221	480-55157-8	2-NITROANILINE	3/3/2014		Yes	N	U		U	360	59	ug/kg
CC-C-050-0-2-20140221	480-55157-8	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	180	5.6	ug/kg
CC-C-050-0-2-20140221	480-55157-8	2-METHYLNAPHTHALENE	3/3/2014	7.5	Yes	Y	J		J	180	2.2	ug/kg
CC-C-050-0-2-20140221	480-55157-8	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	180	9.4	ug/kg
CC-C-050-0-2-20140221	480-55157-8	3-NITROANILINE	3/3/2014		Yes	N	U		U	360	42	ug/kg
CC-C-050-0-2-20140221	480-55157-8	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	180	45	ug/kg
CC-C-050-0-2-20140221	480-55157-8	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	180	12	ug/kg
CC-C-050-0-2-20140221	480-55157-8	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	360	64	ug/kg
CC-C-050-0-2-20140221	480-55157-8	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	180	50	ug/kg
CC-C-050-0-2-20140221	480-55157-8	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	180	9.6	ug/kg
CC-C-050-0-2-20140221	480-55157-8	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	180	40	ug/kg
CC-C-050-0-2-20140221	480-55157-8	FLUORENE	3/3/2014	8.9	Yes	Y	J		J	180	4.2	ug/kg
CC-C-050-0-2-20140221	480-55157-8	BENZO(G,H,I)PERYLENE	3/3/2014	140	Yes	Y	J		J	180	2.2	ug/kg
CC-C-050-0-2-20140221	480-55157-8	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	180	12	ug/kg
CC-C-050-0-2-20140221	480-55157-8	ACETOPHENONE	3/3/2014		Yes	N	U		U	180	9.4	ug/kg
CC-C-050-0-2-20140221	480-55157-8	BENZO(B)FLUORANTHENE	3/3/2014	240	Yes	Y				180	3.6	ug/kg
CC-C-050-0-2-20140221	480-55157-8	BENZO(A)PYRENE	3/3/2014	170	Yes	Y	J		J	180	4.4	ug/kg
CC-C-050-0-2-20140221	480-55157-8	BENZALDEHYDE	3/3/2014		Yes	N	U		U	180	20	ug/kg
CC-C-050-0-2-20140221	480-55157-8	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	360	63	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-050-0-2-20140221	480-55157-8	ANTHRACENE	3/3/2014	35	Yes	Y	J		J	180	4.7	ug/kg
CC-C-050-0-2-20140221	480-55157-8	BENZO(A)ANTHRACENE	3/3/2014	170	Yes	Y	J		J	180	3.2	ug/kg
CC-C-050-0-2-20140221	480-55157-8	ACENAPHTHYLENE	3/3/2014	9	Yes	Y	J		J	180	1.5	ug/kg
CC-C-050-0-2-20140221	480-55157-8	ACENAPHTHENE	3/3/2014	9.5	Yes	Y	J		J	180	2.2	ug/kg
CC-C-050-0-2-20140221	480-55157-8	4-NITROPHENOL	3/3/2014		Yes	N	U		U	360	45	ug/kg
CC-C-050-0-2-20140221	480-55157-8	4-NITROANILINE	3/3/2014		Yes	N	U		U	360	21	ug/kg
CC-C-050-0-2-20140221	480-55157-8	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	360	10	ug/kg
CC-C-050-0-2-20140221	480-55157-8	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	180	3.9	ug/kg
CC-C-050-0-2-20140221	480-55157-8	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	180	54	ug/kg
CC-C-050-0-2-20140221	480-55157-8	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	180	7.6	ug/kg
CC-C-050-0-2-20140221	480-55157-8	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	180	58	ug/kg
CC-C-050-0-2-20140221	480-55157-8	ATRAZINE	3/3/2014		Yes	N	U		U	180	8.2	ug/kg
CC-C-050-2-4-20140221	480-55157-9	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	200	67	ug/kg
CC-C-050-2-4-20140221	480-55157-9	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	200	5.1	ug/kg
CC-C-050-2-4-20140221	480-55157-9	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	200	5.9	ug/kg
CC-C-050-2-4-20140221	480-55157-9	DIBENZOFURAN	3/3/2014		Yes	N	U		U	200	2.0	ug/kg
CC-C-050-2-4-20140221	480-55157-9	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	200	2.3	ug/kg
CC-C-050-2-4-20140221	480-55157-9	CHRYSENE	3/3/2014	14	Yes	Y	J		J	200	1.9	ug/kg
CC-C-050-2-4-20140221	480-55157-9	CARBAZOLE	3/3/2014		Yes	N	U		U	200	2.2	ug/kg
CC-C-050-2-4-20140221	480-55157-9	CAPROLACTAM	3/3/2014		Yes	N	U		U	200	84	ug/kg
CC-C-050-2-4-20140221	480-55157-9	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	200	63	ug/kg
CC-C-050-2-4-20140221	480-55157-9	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	200	20	ug/kg
CC-C-050-2-4-20140221	480-55157-9	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	200	17	ug/kg
CC-C-050-2-4-20140221	480-55157-9	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	200	12	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-050-2-4-20140221	480-55157-9	NAPHTHALENE	3/3/2014		Yes	N	U		U	200	3.2	ug/kg
CC-C-050-2-4-20140221	480-55157-9	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	200	52	ug/kg
CC-C-050-2-4-20140221	480-55157-9	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	200	11	ug/kg
CC-C-050-2-4-20140221	480-55157-9	NITROBENZENE	3/3/2014		Yes	N	U		U	200	8.6	ug/kg
CC-C-050-2-4-20140221	480-55157-9	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	200	4.5	ug/kg
CC-C-050-2-4-20140221	480-55157-9	BENZO(K)FLUORANTHENE	3/3/2014		Yes	N	U		U	200	2.1	ug/kg
CC-C-050-2-4-20140221	480-55157-9	PHENOL	3/3/2014		Yes	N	U		U	200	20	ug/kg
CC-C-050-2-4-20140221	480-55157-9	PHENANTHRENE	3/3/2014	9.1	Yes	Y	J		J	200	4.1	ug/kg
CC-C-050-2-4-20140221	480-55157-9	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	380	67	ug/kg
CC-C-050-2-4-20140221	480-55157-9	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U		U	200	5.4	ug/kg
CC-C-050-2-4-20140221	480-55157-9	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	200	15	ug/kg
CC-C-050-2-4-20140221	480-55157-9	FLUORANTHENE	3/3/2014	14	Yes	Y	J		J	200	2.8	ug/kg
CC-C-050-2-4-20140221	480-55157-9	ISOPHORONE	3/3/2014		Yes	N	U		U	200	9.7	ug/kg
CC-C-050-2-4-20140221	480-55157-9	PYRENE	3/3/2014	23	Yes	Y	J		J	200	1.3	ug/kg
CC-C-050-2-4-20140221	480-55157-9	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	200	15	ug/kg
CC-C-050-2-4-20140221	480-55157-9	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	200	59	ug/kg
CC-C-050-2-4-20140221	480-55157-9	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	200	9.9	ug/kg
CC-C-050-2-4-20140221	480-55157-9	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	200	9.7	ug/kg
CC-C-050-2-4-20140221	480-55157-9	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	200	11	ug/kg
CC-C-050-2-4-20140221	480-55157-9	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	200	48	ug/kg
CC-C-050-2-4-20140221	480-55157-9	3-NITROANILINE	3/3/2014		Yes	N	U		U	380	45	ug/kg
CC-C-050-2-4-20140221	480-55157-9	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	200	170	ug/kg
CC-C-050-2-4-20140221	480-55157-9	2-NITROPHENOL	3/3/2014		Yes	N	U		U	200	8.9	ug/kg
CC-C-050-2-4-20140221	480-55157-9	2-NITROANILINE	3/3/2014		Yes	N	U		U	380	62	ug/kg
CC-C-050-2-4-20140221	480-55157-9	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	200	6.0	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-050-2-4-20140221	480-55157-9	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	42	ug/kg
CC-C-050-2-4-20140221	480-55157-9	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	380	67	ug/kg
CC-C-050-2-4-20140221	480-55157-9	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U		U	200	2.3	ug/kg
CC-C-050-2-4-20140221	480-55157-9	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	200	2.4	ug/kg
CC-C-050-2-4-20140221	480-55157-9	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	200	30	ug/kg
CC-C-050-2-4-20140221	480-55157-9	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	380	68	ug/kg
CC-C-050-2-4-20140221	480-55157-9	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	200	53	ug/kg
CC-C-050-2-4-20140221	480-55157-9	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	10	ug/kg
CC-C-050-2-4-20140221	480-55157-9	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	13	ug/kg
CC-C-050-2-4-20140221	480-55157-9	FLUORENE	3/3/2014		Yes	N	U		U	200	4.5	ug/kg
CC-C-050-2-4-20140221	480-55157-9	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	200	9.9	ug/kg
CC-C-050-2-4-20140221	480-55157-9	ATRAZINE	3/3/2014		Yes	N	U		U	200	8.7	ug/kg
CC-C-050-2-4-20140221	480-55157-9	BENZO(B)FLUORANTHENE	3/3/2014		Yes	N	U		U	200	3.8	ug/kg
CC-C-050-2-4-20140221	480-55157-9	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	200	13	ug/kg
CC-C-050-2-4-20140221	480-55157-9	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	200	62	ug/kg
CC-C-050-2-4-20140221	480-55157-9	BENZO(A)PYRENE	3/3/2014		Yes	N	U		U	200	4.7	ug/kg
CC-C-050-2-4-20140221	480-55157-9	BENZALDEHYDE	3/3/2014		Yes	N	U		U	200	21	ug/kg
CC-C-050-2-4-20140221	480-55157-9	ANTHRACENE	3/3/2014		Yes	N	U		U	200	5.0	ug/kg
CC-C-050-2-4-20140221	480-55157-9	ACETOPHENONE	3/3/2014		Yes	N	U		U	200	10	ug/kg
CC-C-050-2-4-20140221	480-55157-9	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	200	4.1	ug/kg
CC-C-050-2-4-20140221	480-55157-9	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	200	8.0	ug/kg
CC-C-050-2-4-20140221	480-55157-9	BENZO(A)ANTHRACENE	3/3/2014	16	Yes	Y	J		J	200	3.4	ug/kg
CC-C-050-2-4-20140221	480-55157-9	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	200	57	ug/kg
CC-C-050-2-4-20140221	480-55157-9	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	200	1.6	ug/kg
CC-C-050-2-4-20140221	480-55157-9	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	380	11	ug/kg

SDG: 480551571

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-050-2-4-20140221	480-55157-9	4-NITROANILINE	3/3/2014		Yes	N	U		U	380	22	ug/kg
CC-C-050-2-4-20140221	480-55157-9	4-NITROPHENOL	3/3/2014		Yes	N	U		U	380	47	ug/kg
CC-C-050-2-4-20140221	480-55157-9	ACENAPHTHENE	3/3/2014		Yes	N	U		U	200	2.3	ug/kg
CC-C-050-8-10-20140221	480-55157-10	DIBENZOFURAN	3/3/2014		Yes	N	U		U	200	2.0	ug/kg
CC-C-050-8-10-20140221	480-55157-10	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	200	12	ug/kg
CC-C-050-8-10-20140221	480-55157-10	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	200	4.6	ug/kg
CC-C-050-8-10-20140221	480-55157-10	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	200	67	ug/kg
CC-C-050-8-10-20140221	480-55157-10	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	200	5.1	ug/kg
CC-C-050-8-10-20140221	480-55157-10	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	200	5.9	ug/kg
CC-C-050-8-10-20140221	480-55157-10	FLUORANTHENE	3/3/2014	73	Yes	Y	J		J	200	2.8	ug/kg
CC-C-050-8-10-20140221	480-55157-10	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	200	2.3	ug/kg
CC-C-050-8-10-20140221	480-55157-10	CHRYSENE	3/3/2014	62	Yes	Y	J		J	200	1.9	ug/kg
CC-C-050-8-10-20140221	480-55157-10	CARBAZOLE	3/3/2014		Yes	N	U		U	200	2.3	ug/kg
CC-C-050-8-10-20140221	480-55157-10	CAPROLACTAM	3/3/2014		Yes	N	U		U	200	84	ug/kg
CC-C-050-8-10-20140221	480-55157-10	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014	980	Yes	Y				200	63	ug/kg
CC-C-050-8-10-20140221	480-55157-10	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	200	20	ug/kg
CC-C-050-8-10-20140221	480-55157-10	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	200	11	ug/kg
CC-C-050-8-10-20140221	480-55157-10	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	200	17	ug/kg
CC-C-050-8-10-20140221	480-55157-10	NAPHTHALENE	3/3/2014	11	Yes	Y	J		J	200	3.2	ug/kg
CC-C-050-8-10-20140221	480-55157-10	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	380	67	ug/kg
CC-C-050-8-10-20140221	480-55157-10	PYRENE	3/3/2014	140	Yes	Y	J		J	200	1.3	ug/kg
CC-C-050-8-10-20140221	480-55157-10	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	200	52	ug/kg
CC-C-050-8-10-20140221	480-55157-10	PHENANTHRENE	3/3/2014	48	Yes	Y	J		J	200	4.1	ug/kg
CC-C-050-8-10-20140221	480-55157-10	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	380	67	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-050-8-10-20140221	480-55157-10	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	200	11	ug/kg
CC-C-050-8-10-20140221	480-55157-10	PHENOL	3/3/2014		Yes	N	U		U	200	20	ug/kg
CC-C-050-8-10-20140221	480-55157-10	NITROBENZENE	3/3/2014		Yes	N	U		U	200	8.6	ug/kg
CC-C-050-8-10-20140221	480-55157-10	FLUORENE	3/3/2014		Yes	N	U		U	200	4.5	ug/kg
CC-C-050-8-10-20140221	480-55157-10	ISOPHORONE	3/3/2014		Yes	N	U		U	200	9.7	ug/kg
CC-C-050-8-10-20140221	480-55157-10	INDENO(1,2,3-C,D)PYRENE	3/3/2014	46	Yes	Y	J		J	200	5.4	ug/kg
CC-C-050-8-10-20140221	480-55157-10	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	200	15	ug/kg
CC-C-050-8-10-20140221	480-55157-10	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	200	59	ug/kg
CC-C-050-8-10-20140221	480-55157-10	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	200	10	ug/kg
CC-C-050-8-10-20140221	480-55157-10	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	200	9.7	ug/kg
CC-C-050-8-10-20140221	480-55157-10	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	200	15	ug/kg
CC-C-050-8-10-20140221	480-55157-10	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	200	48	ug/kg
CC-C-050-8-10-20140221	480-55157-10	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	200	170	ug/kg
CC-C-050-8-10-20140221	480-55157-10	2-NITROPHENOL	3/3/2014		Yes	N	U		U	200	8.9	ug/kg
CC-C-050-8-10-20140221	480-55157-10	2-NITROANILINE	3/3/2014		Yes	N	U		U	380	62	ug/kg
CC-C-050-8-10-20140221	480-55157-10	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	200	6.0	ug/kg
CC-C-050-8-10-20140221	480-55157-10	2-METHYLNAPHTHALENE	3/3/2014	4.6	Yes	Y	J		J	200	2.4	ug/kg
CC-C-050-8-10-20140221	480-55157-10	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	200	8.0	ug/kg
CC-C-050-8-10-20140221	480-55157-10	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	200	13	ug/kg
CC-C-050-8-10-20140221	480-55157-10	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	200	57	ug/kg
CC-C-050-8-10-20140221	480-55157-10	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	200	30	ug/kg
CC-C-050-8-10-20140221	480-55157-10	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	380	68	ug/kg
CC-C-050-8-10-20140221	480-55157-10	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	200	53	ug/kg
CC-C-050-8-10-20140221	480-55157-10	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	10	ug/kg
CC-C-050-8-10-20140221	480-55157-10	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	13	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-050-8-10-20140221	480-55157-10	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	42	ug/kg
CC-C-050-8-10-20140221	480-55157-10	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	200	9.9	ug/kg
CC-C-050-8-10-20140221	480-55157-10	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	200	1.6	ug/kg
CC-C-050-8-10-20140221	480-55157-10	BENZO(G,H,I)PERYLENE	3/3/2014	45	Yes	Y	J		J	200	2.3	ug/kg
CC-C-050-8-10-20140221	480-55157-10	BENZO(B)FLUORANTHENE	3/3/2014	63	Yes	Y	J		J	200	3.8	ug/kg
CC-C-050-8-10-20140221	480-55157-10	BENZO(A)PYRENE	3/3/2014	54	Yes	Y	J		J	200	4.7	ug/kg
CC-C-050-8-10-20140221	480-55157-10	BENZO(A)ANTHRACENE	3/3/2014	54	Yes	Y	J		J	200	3.4	ug/kg
CC-C-050-8-10-20140221	480-55157-10	BENZALDEHYDE	3/3/2014		Yes	N	U		U	200	21	ug/kg
CC-C-050-8-10-20140221	480-55157-10	ATRAZINE	3/3/2014		Yes	N	U		U	200	8.7	ug/kg
CC-C-050-8-10-20140221	480-55157-10	3-NITROANILINE	3/3/2014		Yes	N	U		U	380	45	ug/kg
CC-C-050-8-10-20140221	480-55157-10	ACETOPHENONE	3/3/2014		Yes	N	U		U	200	10	ug/kg
CC-C-050-8-10-20140221	480-55157-10	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	200	62	ug/kg
CC-C-050-8-10-20140221	480-55157-10	ACENAPHTHENE	3/3/2014	5.1	Yes	Y	J		J	200	2.3	ug/kg
CC-C-050-8-10-20140221	480-55157-10	4-NITROPHENOL	3/3/2014		Yes	N	U		U	380	47	ug/kg
CC-C-050-8-10-20140221	480-55157-10	4-NITROANILINE	3/3/2014		Yes	N	U		U	380	22	ug/kg
CC-C-050-8-10-20140221	480-55157-10	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	380	11	ug/kg
CC-C-050-8-10-20140221	480-55157-10	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	200	4.1	ug/kg
CC-C-050-8-10-20140221	480-55157-10	BENZO(K)FLUORANTHENE	3/3/2014	45	Yes	Y	J		J	200	2.1	ug/kg
CC-C-050-8-10-20140221	480-55157-10	ANTHRACENE	3/3/2014	13	Yes	Y	J		J	200	5.0	ug/kg
CC-C-051-0-2-20140221	480-55157-12	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-051-0-2-20140221	480-55157-12	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1900	450	ug/kg
CC-C-051-0-2-20140221	480-55157-12	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1900	290	ug/kg
CC-C-051-0-2-20140221	480-55157-12	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	3600	650	ug/kg
CC-C-051-0-2-20140221	480-55157-12	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	1900	500	ug/kg
CC-C-051-0-2-20140221	480-55157-12	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	97	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-051-0-2-20140221	480-55157-12	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-051-0-2-20140221	480-55157-12	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	410	ug/kg
CC-C-051-0-2-20140221	480-55157-12	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	1900	23	ug/kg
CC-C-051-0-2-20140221	480-55157-12	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	95	ug/kg
CC-C-051-0-2-20140221	480-55157-12	PHENANTHRENE	3/3/2014	710	Yes	Y	J		J	1900	39	ug/kg
CC-C-051-0-2-20140221	480-55157-12	3-NITROANILINE	3/3/2014		Yes	N	U		U	3600	430	ug/kg
CC-C-051-0-2-20140221	480-55157-12	2-NITROPHENOL	3/3/2014		Yes	N	U		U	1900	85	ug/kg
CC-C-051-0-2-20140221	480-55157-12	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U	UJ	UJ	1900	1600	ug/kg
CC-C-051-0-2-20140221	480-55157-12	FLUORENE	3/3/2014		Yes	N	U		U	1900	43	ug/kg
CC-C-051-0-2-20140221	480-55157-12	PYRENE	3/3/2014	1400	Yes	Y	J		J	1900	12	ug/kg
CC-C-051-0-2-20140221	480-55157-12	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U	UJ	UJ	1900	600	ug/kg
CC-C-051-0-2-20140221	480-55157-12	CAPROLACTAM	3/3/2014		Yes	N	U		U	1900	800	ug/kg
CC-C-051-0-2-20140221	480-55157-12	CARBAZOLE	3/3/2014		Yes	N	U		U	1900	21	ug/kg
CC-C-051-0-2-20140221	480-55157-12	CHRYSENE	3/3/2014	810	Yes	Y	J	J	J	1900	19	ug/kg
CC-C-051-0-2-20140221	480-55157-12	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U	UJ	UJ	1900	22	ug/kg
CC-C-051-0-2-20140221	480-55157-12	DIBENZOFURAN	3/3/2014		Yes	N	U		U	1900	19	ug/kg
CC-C-051-0-2-20140221	480-55157-12	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	56	ug/kg
CC-C-051-0-2-20140221	480-55157-12	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	48	ug/kg
CC-C-051-0-2-20140221	480-55157-12	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	640	ug/kg
CC-C-051-0-2-20140221	480-55157-12	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	1900	160	ug/kg
CC-C-051-0-2-20140221	480-55157-12	FLUORANTHENE	3/3/2014	960	Yes	Y	J		J	1900	27	ug/kg
CC-C-051-0-2-20140221	480-55157-12	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	1900	100	ug/kg
CC-C-051-0-2-20140221	480-55157-12	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	1900	92	ug/kg
CC-C-051-0-2-20140221	480-55157-12	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	1900	95	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-051-0-2-20140221	480-55157-12	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U	UJ	UJ	1900	560	ug/kg
CC-C-051-0-2-20140221	480-55157-12	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	1900	140	ug/kg
CC-C-051-0-2-20140221	480-55157-12	INDENO(1,2,3-C,D)PYRENE	3/3/2014	540	Yes	Y	J	J	J	1900	51	ug/kg
CC-C-051-0-2-20140221	480-55157-12	ISOPHORONE	3/3/2014		Yes	N	U		U	1900	93	ug/kg
CC-C-051-0-2-20140221	480-55157-12	NAPHTHALENE	3/3/2014		Yes	N	U		U	1900	31	ug/kg
CC-C-051-0-2-20140221	480-55157-12	NITROBENZENE	3/3/2014		Yes	N	U		U	1900	82	ug/kg
CC-C-051-0-2-20140221	480-55157-12	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	1900	150	ug/kg
CC-C-051-0-2-20140221	480-55157-12	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	1900	100	ug/kg
CC-C-051-0-2-20140221	480-55157-12	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	3600	640	ug/kg
CC-C-051-0-2-20140221	480-55157-12	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U	UJ	UJ	1900	43	ug/kg
CC-C-051-0-2-20140221	480-55157-12	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	1900	15	ug/kg
CC-C-051-0-2-20140221	480-55157-12	2-NITROANILINE	3/3/2014		Yes	N	U		U	3600	600	ug/kg
CC-C-051-0-2-20140221	480-55157-12	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	1900	57	ug/kg
CC-C-051-0-2-20140221	480-55157-12	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	3600	640	ug/kg
CC-C-051-0-2-20140221	480-55157-12	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	1900	590	ug/kg
CC-C-051-0-2-20140221	480-55157-12	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	1900	76	ug/kg
CC-C-051-0-2-20140221	480-55157-12	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	1900	550	ug/kg
CC-C-051-0-2-20140221	480-55157-12	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	1900	40	ug/kg
CC-C-051-0-2-20140221	480-55157-12	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	3600	100	ug/kg
CC-C-051-0-2-20140221	480-55157-12	4-NITROANILINE	3/3/2014		Yes	N	U		U	3600	210	ug/kg
CC-C-051-0-2-20140221	480-55157-12	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	1900	190	ug/kg
CC-C-051-0-2-20140221	480-55157-12	ACENAPHTHENE	3/3/2014	45	Yes	Y	J		J	1900	22	ug/kg
CC-C-051-0-2-20140221	480-55157-12	PHENOL	3/3/2014		Yes	N	U		U	1900	200	ug/kg
CC-C-051-0-2-20140221	480-55157-12	ACETOPHENONE	3/3/2014		Yes	N	U		U	1900	95	ug/kg
CC-C-051-0-2-20140221	480-55157-12	ANTHRACENE	3/3/2014	140	Yes	Y	J		J	1900	48	ug/kg

SDG: 480551571

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-051-0-2-20140221	480-55157-12	ATRAZINE	3/3/2014		Yes	N	U		U	1900	83	ug/kg
CC-C-051-0-2-20140221	480-55157-12	BENZALDEHYDE	3/3/2014		Yes	N	U	R	R	1900	200	ug/kg
CC-C-051-0-2-20140221	480-55157-12	BENZO(A)ANTHRACENE	3/3/2014	640	Yes	Y	J	J	J	1900	32	ug/kg
CC-C-051-0-2-20140221	480-55157-12	BENZO(A)PYRENE	3/3/2014	590	Yes	Y	J	J	J	1900	45	ug/kg
CC-C-051-0-2-20140221	480-55157-12	BENZO(B)FLUORANTHENE	3/3/2014	800	Yes	Y	J	J	J	1900	36	ug/kg
CC-C-051-0-2-20140221	480-55157-12	BENZO(G,H,I)PERYLENE	3/3/2014	460	Yes	Y	J	J	J	1900	22	ug/kg
CC-C-051-0-2-20140221	480-55157-12	BENZO(K)FLUORANTHENE	3/3/2014	380	Yes	Y	J	J	J	1900	20	ug/kg
CC-C-051-0-2-20140221	480-55157-12	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	500	ug/kg
CC-C-051-0-2-20140221	480-55157-12	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-051-0-2-20140221	480-55157-12	4-NITROPHENOL	3/3/2014		Yes	N	U		U	3600	450	ug/kg
CC-C-051-2-4-20140221	480-55157-13	BENZO(A)PYRENE	3/3/2014	350	Yes	Y	J		J	1900	46	ug/kg
CC-C-051-2-4-20140221	480-55157-13	CAPROLACTAM	3/3/2014		Yes	N	U		U	1900	830	ug/kg
CC-C-051-2-4-20140221	480-55157-13	BENZO(K)FLUORANTHENE	3/3/2014	200	Yes	Y	J		J	1900	21	ug/kg
CC-C-051-2-4-20140221	480-55157-13	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	1900	150	ug/kg
CC-C-051-2-4-20140221	480-55157-13	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	1900	100	ug/kg
CC-C-051-2-4-20140221	480-55157-13	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	3700	660	ug/kg
CC-C-051-2-4-20140221	480-55157-13	PHENANTHRENE	3/3/2014	220	Yes	Y	J		J	1900	40	ug/kg
CC-C-051-2-4-20140221	480-55157-13	NAPHTHALENE	3/3/2014		Yes	N	U		U	1900	32	ug/kg
CC-C-051-2-4-20140221	480-55157-13	CARBAZOLE	3/3/2014		Yes	N	U		U	1900	22	ug/kg
CC-C-051-2-4-20140221	480-55157-13	ISOPHORONE	3/3/2014		Yes	N	U		U	1900	96	ug/kg
CC-C-051-2-4-20140221	480-55157-13	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014	740	Yes	Y	J		J	1900	620	ug/kg
CC-C-051-2-4-20140221	480-55157-13	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	1900	200	ug/kg
CC-C-051-2-4-20140221	480-55157-13	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	1900	170	ug/kg
CC-C-051-2-4-20140221	480-55157-13	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	1900	100	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-051-2-4-20140221	480-55157-13	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-051-2-4-20140221	480-55157-13	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	510	ug/kg
CC-C-051-2-4-20140221	480-55157-13	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	1900	23	ug/kg
CC-C-051-2-4-20140221	480-55157-13	FLUORANTHENE	3/3/2014	610	Yes	Y	J		J	1900	28	ug/kg
CC-C-051-2-4-20140221	480-55157-13	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	420	ug/kg
CC-C-051-2-4-20140221	480-55157-13	BENZALDEHYDE	3/3/2014		Yes	N	U		U	1900	210	ug/kg
CC-C-051-2-4-20140221	480-55157-13	DIBENZOFURAN	3/3/2014		Yes	N	U		U	1900	20	ug/kg
CC-C-051-2-4-20140221	480-55157-13	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	58	ug/kg
CC-C-051-2-4-20140221	480-55157-13	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	50	ug/kg
CC-C-051-2-4-20140221	480-55157-13	NITROBENZENE	3/3/2014		Yes	N	U		U	1900	85	ug/kg
CC-C-051-2-4-20140221	480-55157-13	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	1900	45	ug/kg
CC-C-051-2-4-20140221	480-55157-13	CHRYSENE	3/3/2014	440	Yes	Y	J		J	1900	19	ug/kg
CC-C-051-2-4-20140221	480-55157-13	FLUORENE	3/3/2014		Yes	N	U		U	1900	44	ug/kg
CC-C-051-2-4-20140221	480-55157-13	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	1900	95	ug/kg
CC-C-051-2-4-20140221	480-55157-13	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	1900	98	ug/kg
CC-C-051-2-4-20140221	480-55157-13	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	1900	580	ug/kg
CC-C-051-2-4-20140221	480-55157-13	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	1900	150	ug/kg
CC-C-051-2-4-20140221	480-55157-13	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U		U	1900	53	ug/kg
CC-C-051-2-4-20140221	480-55157-13	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	660	ug/kg
CC-C-051-2-4-20140221	480-55157-13	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	1900	130	ug/kg
CC-C-051-2-4-20140221	480-55157-13	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	3700	660	ug/kg
CC-C-051-2-4-20140221	480-55157-13	3-NITROANILINE	3/3/2014		Yes	N	U		U	3700	440	ug/kg
CC-C-051-2-4-20140221	480-55157-13	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	1900	1700	ug/kg
CC-C-051-2-4-20140221	480-55157-13	2-NITROPHENOL	3/3/2014		Yes	N	U		U	1900	87	ug/kg
CC-C-051-2-4-20140221	480-55157-13	2-NITROANILINE	3/3/2014		Yes	N	U		U	3700	610	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-051-2-4-20140221	480-55157-13	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	1900	59	ug/kg
CC-C-051-2-4-20140221	480-55157-13	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	1900	610	ug/kg
CC-C-051-2-4-20140221	480-55157-13	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U		U	1900	23	ug/kg
CC-C-051-2-4-20140221	480-55157-13	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	97	ug/kg
CC-C-051-2-4-20140221	480-55157-13	PHENOL	3/3/2014		Yes	N	U		U	1900	200	ug/kg
CC-C-051-2-4-20140221	480-55157-13	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1900	300	ug/kg
CC-C-051-2-4-20140221	480-55157-13	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	3700	670	ug/kg
CC-C-051-2-4-20140221	480-55157-13	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	1900	520	ug/kg
CC-C-051-2-4-20140221	480-55157-13	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	100	ug/kg
CC-C-051-2-4-20140221	480-55157-13	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	130	ug/kg
CC-C-051-2-4-20140221	480-55157-13	2-METHYLNAPHTHALENE	3/3/2014	38	Yes	Y	J		J	1900	23	ug/kg
CC-C-051-2-4-20140221	480-55157-13	ANTHRACENE	3/3/2014	72	Yes	Y	J		J	1900	49	ug/kg
CC-C-051-2-4-20140221	480-55157-13	PYRENE	3/3/2014	910	Yes	Y	J		J	1900	12	ug/kg
CC-C-051-2-4-20140221	480-55157-13	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1900	470	ug/kg
CC-C-051-2-4-20140221	480-55157-13	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	1900	79	ug/kg
CC-C-051-2-4-20140221	480-55157-13	BENZO(B)FLUORANTHENE	3/3/2014	420	Yes	Y	J		J	1900	37	ug/kg
CC-C-051-2-4-20140221	480-55157-13	ATRAZINE	3/3/2014		Yes	N	U		U	1900	85	ug/kg
CC-C-051-2-4-20140221	480-55157-13	ACETOPHENONE	3/3/2014		Yes	N	U		U	1900	98	ug/kg
CC-C-051-2-4-20140221	480-55157-13	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	1900	16	ug/kg
CC-C-051-2-4-20140221	480-55157-13	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	3700	110	ug/kg
CC-C-051-2-4-20140221	480-55157-13	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	1900	560	ug/kg
CC-C-051-2-4-20140221	480-55157-13	4-NITROPHENOL	3/3/2014		Yes	N	U		U	3700	460	ug/kg
CC-C-051-2-4-20140221	480-55157-13	4-NITROANILINE	3/3/2014		Yes	N	U		U	3700	210	ug/kg
CC-C-051-2-4-20140221	480-55157-13	ACENAPHTHENE	3/3/2014	74	Yes	Y	J		J	1900	22	ug/kg
CC-C-051-2-4-20140221	480-55157-13	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	1900	41	ug/kg

SDG: 480551571

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-051-2-4-20140221	480-55157-13	BENZO(A)ANTHRACENE	3/3/2014	420	Yes	Y	J		J	1900	33	ug/kg
CC-C-051-8-10-20140221	480-55157-14	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U		U	2000	54	ug/kg
CC-C-051-8-10-20140221	480-55157-14	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	2000	150	ug/kg
CC-C-051-8-10-20140221	480-55157-14	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	2000	590	ug/kg
CC-C-051-8-10-20140221	480-55157-14	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	2000	100	ug/kg
CC-C-051-8-10-20140221	480-55157-14	FLUORENE	3/3/2014	410	Yes	Y	J		J	2000	45	ug/kg
CC-C-051-8-10-20140221	480-55157-14	FLUORANTHENE	3/3/2014	880	Yes	Y	J		J	2000	28	ug/kg
CC-C-051-8-10-20140221	480-55157-14	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	2000	680	ug/kg
CC-C-051-8-10-20140221	480-55157-14	PHENANTHRENE	3/3/2014	710	Yes	Y	J		J	2000	41	ug/kg
CC-C-051-8-10-20140221	480-55157-14	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	2000	46	ug/kg
CC-C-051-8-10-20140221	480-55157-14	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	2000	97	ug/kg
CC-C-051-8-10-20140221	480-55157-14	ISOPHORONE	3/3/2014		Yes	N	U		U	2000	98	ug/kg
CC-C-051-8-10-20140221	480-55157-14	NAPHTHALENE	3/3/2014		Yes	N	U		U	2000	33	ug/kg
CC-C-051-8-10-20140221	480-55157-14	NITROBENZENE	3/3/2014		Yes	N	U		U	2000	87	ug/kg
CC-C-051-8-10-20140221	480-55157-14	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	2000	150	ug/kg
CC-C-051-8-10-20140221	480-55157-14	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	3800	670	ug/kg
CC-C-051-8-10-20140221	480-55157-14	PHENOL	3/3/2014		Yes	N	U		U	2000	210	ug/kg
CC-C-051-8-10-20140221	480-55157-14	PYRENE	3/3/2014	1500	Yes	Y	J		J	2000	13	ug/kg
CC-C-051-8-10-20140221	480-55157-14	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	2000	130	ug/kg
CC-C-051-8-10-20140221	480-55157-14	ACETOPHENONE	3/3/2014		Yes	N	U		U	2000	100	ug/kg
CC-C-051-8-10-20140221	480-55157-14	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	2000	100	ug/kg
CC-C-051-8-10-20140221	480-55157-14	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	2000	110	ug/kg
CC-C-051-8-10-20140221	480-55157-14	2-NITROPHENOL	3/3/2014		Yes	N	U		U	2000	89	ug/kg
CC-C-051-8-10-20140221	480-55157-14	4-NITROPHENOL	3/3/2014		Yes	N	U		U	3800	470	ug/kg
CC-C-051-8-10-20140221	480-55157-14	4-NITROANILINE	3/3/2014		Yes	N	U		U	3800	220	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-051-8-10-20140221	480-55157-14	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	3800	110	ug/kg
CC-C-051-8-10-20140221	480-55157-14	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	2000	42	ug/kg
CC-C-051-8-10-20140221	480-55157-14	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	2000	570	ug/kg
CC-C-051-8-10-20140221	480-55157-14	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	2000	80	ug/kg
CC-C-051-8-10-20140221	480-55157-14	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	2000	620	ug/kg
CC-C-051-8-10-20140221	480-55157-14	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	3800	670	ug/kg
CC-C-051-8-10-20140221	480-55157-14	ATRAZINE	3/3/2014		Yes	N	U		U	2000	87	ug/kg
CC-C-051-8-10-20140221	480-55157-14	3,3'-DICHLOOROBENZIDINE	3/3/2014		Yes	N	U		U	2000	1700	ug/kg
CC-C-051-8-10-20140221	480-55157-14	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	2000	16	ug/kg
CC-C-051-8-10-20140221	480-55157-14	2-NITROANILINE	3/3/2014		Yes	N	U		U	3800	630	ug/kg
CC-C-051-8-10-20140221	480-55157-14	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	2000	60	ug/kg
CC-C-051-8-10-20140221	480-55157-14	2-METHYLNAPHTHALENE	3/3/2014	54	Yes	Y	J		J	2000	24	ug/kg
CC-C-051-8-10-20140221	480-55157-14	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	2000	99	ug/kg
CC-C-051-8-10-20140221	480-55157-14	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	2000	130	ug/kg
CC-C-051-8-10-20140221	480-55157-14	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	2000	480	ug/kg
CC-C-051-8-10-20140221	480-55157-14	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	2000	300	ug/kg
CC-C-051-8-10-20140221	480-55157-14	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	3800	680	ug/kg
CC-C-051-8-10-20140221	480-55157-14	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	2000	530	ug/kg
CC-C-051-8-10-20140221	480-55157-14	3-NITROANILINE	3/3/2014		Yes	N	U		U	3800	450	ug/kg
CC-C-051-8-10-20140221	480-55157-14	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	2000	520	ug/kg
CC-C-051-8-10-20140221	480-55157-14	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	2000	59	ug/kg
CC-C-051-8-10-20140221	480-55157-14	DIBENZOFURAN	3/3/2014	310	Yes	Y	J		J	2000	20	ug/kg
CC-C-051-8-10-20140221	480-55157-14	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	2000	23	ug/kg
CC-C-051-8-10-20140221	480-55157-14	CHRYSENE	3/3/2014	900	Yes	Y	J		J	2000	20	ug/kg
CC-C-051-8-10-20140221	480-55157-14	CARBAZOLE	3/3/2014		Yes	N	U		U	2000	23	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-051-8-10-20140221	480-55157-14	CAPROLACTAM	3/3/2014		Yes	N	U		U	2000	840	ug/kg
CC-C-051-8-10-20140221	480-55157-14	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014	870	Yes	Y	J		J	2000	630	ug/kg
CC-C-051-8-10-20140221	480-55157-14	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	2000	200	ug/kg
CC-C-051-8-10-20140221	480-55157-14	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	2000	170	ug/kg
CC-C-051-8-10-20140221	480-55157-14	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	2000	120	ug/kg
CC-C-051-8-10-20140221	480-55157-14	ACENAPHTHENE	3/3/2014	770	Yes	Y	J		J	2000	23	ug/kg
CC-C-051-8-10-20140221	480-55157-14	BENZO(K)FLUORANTHENE	3/3/2014	300	Yes	Y	J		J	2000	21	ug/kg
CC-C-051-8-10-20140221	480-55157-14	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U		U	2000	23	ug/kg
CC-C-051-8-10-20140221	480-55157-14	BENZO(B)FLUORANTHENE	3/3/2014	600	Yes	Y	J		J	2000	38	ug/kg
CC-C-051-8-10-20140221	480-55157-14	BENZO(A)PYRENE	3/3/2014	290	Yes	Y	J		J	2000	47	ug/kg
CC-C-051-8-10-20140221	480-55157-14	BENZO(A)ANTHRACENE	3/3/2014	620	Yes	Y	J		J	2000	34	ug/kg
CC-C-051-8-10-20140221	480-55157-14	BENZALDEHYDE	3/3/2014		Yes	N	U		U	2000	210	ug/kg
CC-C-051-8-10-20140221	480-55157-14	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	2000	430	ug/kg
CC-C-051-8-10-20140221	480-55157-14	ANTHRACENE	3/3/2014	200	Yes	Y	J		J	2000	50	ug/kg
CC-C-051-8-10-20140221	480-55157-14	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	2000	51	ug/kg
CC-C-051-8-10-20140221	480-55157-14	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	2000	110	ug/kg
CC-C-052-0-2-20140221	480-55157-15	2-NITROANILINE	3/3/2014		Yes	N	U		U	3700	600	ug/kg
CC-C-052-0-2-20140221	480-55157-15	CARBAZOLE	3/3/2014	330	Yes	Y	J		J	1900	22	ug/kg
CC-C-052-0-2-20140221	480-55157-15	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	500	ug/kg
CC-C-052-0-2-20140221	480-55157-15	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	650	ug/kg
CC-C-052-0-2-20140221	480-55157-15	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	49	ug/kg
CC-C-052-0-2-20140221	480-55157-15	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	57	ug/kg
CC-C-052-0-2-20140221	480-55157-15	DIBENZOFURAN	3/3/2014	390	Yes	Y	J		J	1900	19	ug/kg
CC-C-052-0-2-20140221	480-55157-15	FLUORANTHENE	3/3/2014	5700	Yes	Y				1900	27	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-052-0-2-20140221	480-55157-15	CHRYSENE	3/3/2014	3600	Yes	Y		J	J	1900	19	ug/kg
CC-C-052-0-2-20140221	480-55157-15	FLUORENE	3/3/2014	860	Yes	Y	J		J	1900	43	ug/kg
CC-C-052-0-2-20140221	480-55157-15	CAPROLACTAM	3/3/2014		Yes	N	U		U	1900	810	ug/kg
CC-C-052-0-2-20140221	480-55157-15	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U	UJ	UJ	1900	600	ug/kg
CC-C-052-0-2-20140221	480-55157-15	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	1900	200	ug/kg
CC-C-052-0-2-20140221	480-55157-15	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	1900	160	ug/kg
CC-C-052-0-2-20140221	480-55157-15	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	1900	100	ug/kg
CC-C-052-0-2-20140221	480-55157-15	2-METHYLNAPHTHALENE	3/3/2014	120	Yes	Y	J		J	1900	23	ug/kg
CC-C-052-0-2-20140221	480-55157-15	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U	UJ	UJ	1900	22	ug/kg
CC-C-052-0-2-20140221	480-55157-15	NAPHTHALENE	3/3/2014		Yes	N	U		U	1900	31	ug/kg
CC-C-052-0-2-20140221	480-55157-15	PYRENE	3/3/2014	8000	Yes	Y				1900	12	ug/kg
CC-C-052-0-2-20140221	480-55157-15	PHENOL	3/3/2014		Yes	N	U		U	1900	200	ug/kg
CC-C-052-0-2-20140221	480-55157-15	PHENANTHRENE	3/3/2014	8200	Yes	Y				1900	39	ug/kg
CC-C-052-0-2-20140221	480-55157-15	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	3700	640	ug/kg
CC-C-052-0-2-20140221	480-55157-15	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	1900	100	ug/kg
CC-C-052-0-2-20140221	480-55157-15	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U	UJ	UJ	1900	44	ug/kg
CC-C-052-0-2-20140221	480-55157-15	NITROBENZENE	3/3/2014		Yes	N	U		U	1900	83	ug/kg
CC-C-052-0-2-20140221	480-55157-15	BENZO(K)FLUORANTHENE	3/3/2014	1200	Yes	Y	J		J	1900	21	ug/kg
CC-C-052-0-2-20140221	480-55157-15	ISOPHORONE	3/3/2014		Yes	N	U		U	1900	94	ug/kg
CC-C-052-0-2-20140221	480-55157-15	INDENO(1,2,3-C,D)PYRENE	3/3/2014	1600	Yes	Y	J	J	J	1900	52	ug/kg
CC-C-052-0-2-20140221	480-55157-15	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	1900	140	ug/kg
CC-C-052-0-2-20140221	480-55157-15	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U	UJ	UJ	1900	570	ug/kg
CC-C-052-0-2-20140221	480-55157-15	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	1900	96	ug/kg
CC-C-052-0-2-20140221	480-55157-15	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	1900	93	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-052-0-2-20140221	480-55157-15	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	1900	150	ug/kg
CC-C-052-0-2-20140221	480-55157-15	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	1900	130	ug/kg
CC-C-052-0-2-20140221	480-55157-15	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-052-0-2-20140221	480-55157-15	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	3700	650	ug/kg
CC-C-052-0-2-20140221	480-55157-15	3-NITROANILINE	3/3/2014		Yes	N	U		U	3700	430	ug/kg
CC-C-052-0-2-20140221	480-55157-15	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U	UJ	UJ	1900	1600	ug/kg
CC-C-052-0-2-20140221	480-55157-15	2-NITROPHENOL	3/3/2014		Yes	N	U		U	1900	86	ug/kg
CC-C-052-0-2-20140221	480-55157-15	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	1900	77	ug/kg
CC-C-052-0-2-20140221	480-55157-15	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	95	ug/kg
CC-C-052-0-2-20140221	480-55157-15	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	1900	550	ug/kg
CC-C-052-0-2-20140221	480-55157-15	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1900	460	ug/kg
CC-C-052-0-2-20140221	480-55157-15	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1900	290	ug/kg
CC-C-052-0-2-20140221	480-55157-15	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	3700	660	ug/kg
CC-C-052-0-2-20140221	480-55157-15	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	1900	510	ug/kg
CC-C-052-0-2-20140221	480-55157-15	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	98	ug/kg
CC-C-052-0-2-20140221	480-55157-15	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-052-0-2-20140221	480-55157-15	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	1900	58	ug/kg
CC-C-052-0-2-20140221	480-55157-15	ACETOPHENONE	3/3/2014		Yes	N	U		U	1900	96	ug/kg
CC-C-052-0-2-20140221	480-55157-15	BENZO(G,H,I)PERYLENE	3/3/2014	1300	Yes	Y	J	J	J	1900	22	ug/kg
CC-C-052-0-2-20140221	480-55157-15	BENZO(B)FLUORANTHENE	3/3/2014	3000	Yes	Y				1900	36	ug/kg
CC-C-052-0-2-20140221	480-55157-15	BENZO(A)PYRENE	3/3/2014	2500	Yes	Y				1900	45	ug/kg
CC-C-052-0-2-20140221	480-55157-15	BENZO(A)ANTHRACENE	3/3/2014	3500	Yes	Y		J	J	1900	32	ug/kg
CC-C-052-0-2-20140221	480-55157-15	BENZALDEHYDE	3/3/2014		Yes	N	U	R	R	1900	210	ug/kg
CC-C-052-0-2-20140221	480-55157-15	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	1900	600	ug/kg
CC-C-052-0-2-20140221	480-55157-15	ANTHRACENE	3/3/2014	1900	Yes	Y				1900	48	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-052-0-2-20140221	480-55157-15	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	410	ug/kg
CC-C-052-0-2-20140221	480-55157-15	ACENAPHTHYLENE	3/3/2014	56	Yes	Y	J		J	1900	15	ug/kg
CC-C-052-0-2-20140221	480-55157-15	ACENAPHTHENE	3/3/2014	470	Yes	Y	J		J	1900	22	ug/kg
CC-C-052-0-2-20140221	480-55157-15	4-NITROPHENOL	3/3/2014		Yes	N	U		U	3700	450	ug/kg
CC-C-052-0-2-20140221	480-55157-15	4-NITROANILINE	3/3/2014		Yes	N	U		U	3700	210	ug/kg
CC-C-052-0-2-20140221	480-55157-15	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	3700	100	ug/kg
CC-C-052-0-2-20140221	480-55157-15	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	1900	40	ug/kg
CC-C-052-0-2-20140221	480-55157-15	ATRAZINE	3/3/2014		Yes	N	U		U	1900	83	ug/kg
CC-C-052-2-4-20140221	480-55157-16	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	56	ug/kg
CC-C-052-2-4-20140221	480-55157-16	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	1900	15	ug/kg
CC-C-052-2-4-20140221	480-55157-16	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	1900	100	ug/kg
CC-C-052-2-4-20140221	480-55157-16	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-052-2-4-20140221	480-55157-16	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	500	ug/kg
CC-C-052-2-4-20140221	480-55157-16	BENZO(K)FLUORANTHENE	3/3/2014	220	Yes	Y	J		J	1900	20	ug/kg
CC-C-052-2-4-20140221	480-55157-16	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U		U	1900	22	ug/kg
CC-C-052-2-4-20140221	480-55157-16	BENZO(B)FLUORANTHENE	3/3/2014	600	Yes	Y	J		J	1900	36	ug/kg
CC-C-052-2-4-20140221	480-55157-16	BENZO(A)PYRENE	3/3/2014	530	Yes	Y	J		J	1900	45	ug/kg
CC-C-052-2-4-20140221	480-55157-16	BENZO(A)ANTHRACENE	3/3/2014	520	Yes	Y	J		J	1900	32	ug/kg
CC-C-052-2-4-20140221	480-55157-16	BENZALDEHYDE	3/3/2014		Yes	N	U		U	1900	200	ug/kg
CC-C-052-2-4-20140221	480-55157-16	ATRAZINE	3/3/2014		Yes	N	U		U	1900	83	ug/kg
CC-C-052-2-4-20140221	480-55157-16	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	1900	57	ug/kg
CC-C-052-2-4-20140221	480-55157-16	ACETOPHENONE	3/3/2014		Yes	N	U		U	1900	95	ug/kg
CC-C-052-2-4-20140221	480-55157-16	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	1900	600	ug/kg
CC-C-052-2-4-20140221	480-55157-16	ACENAPHTHENE	3/3/2014		Yes	N	U		U	1900	22	ug/kg
CC-C-052-2-4-20140221	480-55157-16	4-NITROANILINE	3/3/2014		Yes	N	U		U	3600	210	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-052-2-4-20140221	480-55157-16	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	1900	40	ug/kg
CC-C-052-2-4-20140221	480-55157-16	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	1900	550	ug/kg
CC-C-052-2-4-20140221	480-55157-16	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	1900	77	ug/kg
CC-C-052-2-4-20140221	480-55157-16	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	1900	590	ug/kg
CC-C-052-2-4-20140221	480-55157-16	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	3600	640	ug/kg
CC-C-052-2-4-20140221	480-55157-16	3-NITROANILINE	3/3/2014		Yes	N	U		U	3600	430	ug/kg
CC-C-052-2-4-20140221	480-55157-16	3,3'-DICHLOOROBENZIDINE	3/3/2014		Yes	N	U		U	1900	1600	ug/kg
CC-C-052-2-4-20140221	480-55157-16	2-NITROPHENOL	3/3/2014		Yes	N	U		U	1900	85	ug/kg
CC-C-052-2-4-20140221	480-55157-16	2-NITROANILINE	3/3/2014		Yes	N	U		U	3600	600	ug/kg
CC-C-052-2-4-20140221	480-55157-16	ANTHRACENE	3/3/2014	120	Yes	Y	J		J	1900	48	ug/kg
CC-C-052-2-4-20140221	480-55157-16	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	1900	95	ug/kg
CC-C-052-2-4-20140221	480-55157-16	PYRENE	3/3/2014	1000	Yes	Y	J		J	1900	12	ug/kg
CC-C-052-2-4-20140221	480-55157-16	PHENOL	3/3/2014		Yes	N	U		U	1900	200	ug/kg
CC-C-052-2-4-20140221	480-55157-16	PHENANTHRENE	3/3/2014	390	Yes	Y	J		J	1900	39	ug/kg
CC-C-052-2-4-20140221	480-55157-16	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	3600	640	ug/kg
CC-C-052-2-4-20140221	480-55157-16	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	1900	100	ug/kg
CC-C-052-2-4-20140221	480-55157-16	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	1900	150	ug/kg
CC-C-052-2-4-20140221	480-55157-16	NITROBENZENE	3/3/2014		Yes	N	U		U	1900	82	ug/kg
CC-C-052-2-4-20140221	480-55157-16	NAPHTHALENE	3/3/2014		Yes	N	U		U	1900	31	ug/kg
CC-C-052-2-4-20140221	480-55157-16	ISOPHORONE	3/3/2014		Yes	N	U		U	1900	93	ug/kg
CC-C-052-2-4-20140221	480-55157-16	INDENO(1,2,3-C,D)PYRENE	3/3/2014	310	Yes	Y	J		J	1900	51	ug/kg
CC-C-052-2-4-20140221	480-55157-16	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	640	ug/kg
CC-C-052-2-4-20140221	480-55157-16	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	1900	160	ug/kg
CC-C-052-2-4-20140221	480-55157-16	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	1900	560	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-052-2-4-20140221	480-55157-16	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	1900	190	ug/kg
CC-C-052-2-4-20140221	480-55157-16	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	1900	92	ug/kg
CC-C-052-2-4-20140221	480-55157-16	FLUORENE	3/3/2014		Yes	N	U		U	1900	43	ug/kg
CC-C-052-2-4-20140221	480-55157-16	FLUORANTHENE	3/3/2014	720	Yes	Y	J		J	1900	27	ug/kg
CC-C-052-2-4-20140221	480-55157-16	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	1900	44	ug/kg
CC-C-052-2-4-20140221	480-55157-16	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	49	ug/kg
CC-C-052-2-4-20140221	480-55157-16	DIBENZOFURAN	3/3/2014		Yes	N	U		U	1900	19	ug/kg
CC-C-052-2-4-20140221	480-55157-16	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	1900	22	ug/kg
CC-C-052-2-4-20140221	480-55157-16	CHRYSENE	3/3/2014	560	Yes	Y	J		J	1900	19	ug/kg
CC-C-052-2-4-20140221	480-55157-16	CARBAZOLE	3/3/2014		Yes	N	U		U	1900	22	ug/kg
CC-C-052-2-4-20140221	480-55157-16	CAPROLACTAM	3/3/2014		Yes	N	U		U	1900	800	ug/kg
CC-C-052-2-4-20140221	480-55157-16	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	3600	100	ug/kg
CC-C-052-2-4-20140221	480-55157-16	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	1900	140	ug/kg
CC-C-052-2-4-20140221	480-55157-16	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-052-2-4-20140221	480-55157-16	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	1900	23	ug/kg
CC-C-052-2-4-20140221	480-55157-16	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	410	ug/kg
CC-C-052-2-4-20140221	480-55157-16	4-NITROPHENOL	3/3/2014		Yes	N	U		U	3600	450	ug/kg
CC-C-052-2-4-20140221	480-55157-16	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	98	ug/kg
CC-C-052-2-4-20140221	480-55157-16	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	1900	500	ug/kg
CC-C-052-2-4-20140221	480-55157-16	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	3600	650	ug/kg
CC-C-052-2-4-20140221	480-55157-16	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1900	290	ug/kg
CC-C-052-2-4-20140221	480-55157-16	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1900	460	ug/kg
CC-C-052-2-4-20140221	480-55157-16	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	1900	120	ug/kg
CC-C-052-2-4-20140221	480-55157-16	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	95	ug/kg
CC-C-052-8-10-20140221	480-55157-17	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	200	16	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-052-8-10-20140221	480-55157-17	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	390	11	ug/kg
CC-C-052-8-10-20140221	480-55157-17	PHENOL	3/3/2014		Yes	N	U		U	200	21	ug/kg
CC-C-052-8-10-20140221	480-55157-17	PHENANTHRENE	3/3/2014	66	Yes	Y	J		J	200	4.2	ug/kg
CC-C-052-8-10-20140221	480-55157-17	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	390	69	ug/kg
CC-C-052-8-10-20140221	480-55157-17	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	200	11	ug/kg
CC-C-052-8-10-20140221	480-55157-17	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	200	4.3	ug/kg
CC-C-052-8-10-20140221	480-55157-17	NITROBENZENE	3/3/2014		Yes	N	U		U	200	8.9	ug/kg
CC-C-052-8-10-20140221	480-55157-17	NAPHTHALENE	3/3/2014		Yes	N	U		U	200	3.4	ug/kg
CC-C-052-8-10-20140221	480-55157-17	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	200	59	ug/kg
CC-C-052-8-10-20140221	480-55157-17	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U		U	200	5.6	ug/kg
CC-C-052-8-10-20140221	480-55157-17	2-NITROPHENOL	3/3/2014		Yes	N	U		U	200	9.2	ug/kg
CC-C-052-8-10-20140221	480-55157-17	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	200	16	ug/kg
CC-C-052-8-10-20140221	480-55157-17	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	200	61	ug/kg
CC-C-052-8-10-20140221	480-55157-17	ISOPHORONE	3/3/2014		Yes	N	U		U	200	10	ug/kg
CC-C-052-8-10-20140221	480-55157-17	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	200	2.4	ug/kg
CC-C-052-8-10-20140221	480-55157-17	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	13	ug/kg
CC-C-052-8-10-20140221	480-55157-17	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	11	ug/kg
CC-C-052-8-10-20140221	480-55157-17	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	200	54	ug/kg
CC-C-052-8-10-20140221	480-55157-17	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	390	70	ug/kg
CC-C-052-8-10-20140221	480-55157-17	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	200	31	ug/kg
CC-C-052-8-10-20140221	480-55157-17	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	200	49	ug/kg
CC-C-052-8-10-20140221	480-55157-17	3-NITROANILINE	3/3/2014		Yes	N	U		U	390	46	ug/kg
CC-C-052-8-10-20140221	480-55157-17	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	200	10	ug/kg
CC-C-052-8-10-20140221	480-55157-17	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	200	8.3	ug/kg
CC-C-052-8-10-20140221	480-55157-17	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	200	6.2	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-052-8-10-20140221	480-55157-17	2-NITROANILINE	3/3/2014		Yes	N	U		U	390	65	ug/kg
CC-C-052-8-10-20140221	480-55157-17	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	200	5.3	ug/kg
CC-C-052-8-10-20140221	480-55157-17	3,3'-DICHLOOROBENZIDINE	3/3/2014		Yes	N	U		U	200	180	ug/kg
CC-C-052-8-10-20140221	480-55157-17	HEXACHLOOROBUTADIENE	3/3/2014		Yes	N	U		U	200	10	ug/kg
CC-C-052-8-10-20140221	480-55157-17	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	390	70	ug/kg
CC-C-052-8-10-20140221	480-55157-17	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	200	64	ug/kg
CC-C-052-8-10-20140221	480-55157-17	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	200	14	ug/kg
CC-C-052-8-10-20140221	480-55157-17	ANTHRACENE	3/3/2014	12	Yes	Y	J		J	200	5.2	ug/kg
CC-C-052-8-10-20140221	480-55157-17	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	200	4.7	ug/kg
CC-C-052-8-10-20140221	480-55157-17	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U		U	200	2.4	ug/kg
CC-C-052-8-10-20140221	480-55157-17	BENZO(B)FLUORANTHENE	3/3/2014		Yes	N	U		U	200	3.9	ug/kg
CC-C-052-8-10-20140221	480-55157-17	BENZO(A)PYRENE	3/3/2014		Yes	N	U		U	200	4.9	ug/kg
CC-C-052-8-10-20140221	480-55157-17	BENZO(A)ANTHRACENE	3/3/2014	19	Yes	Y	J		J	200	3.5	ug/kg
CC-C-052-8-10-20140221	480-55157-17	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	200	54	ug/kg
CC-C-052-8-10-20140221	480-55157-17	ATRAZINE	3/3/2014		Yes	N	U		U	200	9.0	ug/kg
CC-C-052-8-10-20140221	480-55157-17	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	200	13	ug/kg
CC-C-052-8-10-20140221	480-55157-17	ACETOPHENONE	3/3/2014		Yes	N	U		U	200	10	ug/kg
CC-C-052-8-10-20140221	480-55157-17	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	200	1.6	ug/kg
CC-C-052-8-10-20140221	480-55157-17	ACENAPHTHENE	3/3/2014	9.4	Yes	Y	J		J	200	2.4	ug/kg
CC-C-052-8-10-20140221	480-55157-17	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	44	ug/kg
CC-C-052-8-10-20140221	480-55157-17	4-NITROPHENOL	3/3/2014		Yes	N	U		U	390	49	ug/kg
CC-C-052-8-10-20140221	480-55157-17	4-NITROANILINE	3/3/2014		Yes	N	U		U	390	22	ug/kg
CC-C-052-8-10-20140221	480-55157-17	BENZALDEHYDE	3/3/2014	23	Yes	Y	J		J	200	22	ug/kg
CC-C-052-8-10-20140221	480-55157-17	CHRYSENE	3/3/2014	24	Yes	Y	J		J	200	2.0	ug/kg
CC-C-052-8-10-20140221	480-55157-17	HEXACHLOOROBENZENE	3/3/2014		Yes	N	U		U	200	10	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
CC-C-052-8-10-20140221	480-55157-17	FLUORENE	3/3/2014	8.9	Yes	Y	J		J	200	4.6	ug/kg
CC-C-052-8-10-20140221	480-55157-17	FLUORANTHENE	3/3/2014	39	Yes	Y	J		J	200	2.9	ug/kg
CC-C-052-8-10-20140221	480-55157-17	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	200	70	ug/kg
CC-C-052-8-10-20140221	480-55157-17	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	200	6.1	ug/kg
CC-C-052-8-10-20140221	480-55157-17	BENZO(K)FLUORANTHENE	3/3/2014		Yes	N	U		U	200	2.2	ug/kg
CC-C-052-8-10-20140221	480-55157-17	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	200	2.4	ug/kg
CC-C-052-8-10-20140221	480-55157-17	PYRENE	3/3/2014	55	Yes	Y	J		J	200	1.3	ug/kg
CC-C-052-8-10-20140221	480-55157-17	CARBAZOLE	3/3/2014		Yes	N	U		U	200	2.3	ug/kg
CC-C-052-8-10-20140221	480-55157-17	CAPROLACTAM	3/3/2014		Yes	N	U		U	200	87	ug/kg
CC-C-052-8-10-20140221	480-55157-17	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	200	65	ug/kg
CC-C-052-8-10-20140221	480-55157-17	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	200	21	ug/kg
CC-C-052-8-10-20140221	480-55157-17	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	200	17	ug/kg
CC-C-052-8-10-20140221	480-55157-17	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	200	11	ug/kg
CC-C-052-8-10-20140221	480-55157-17	DIBENZOFURAN	3/3/2014		Yes	N	U		U	200	2.1	ug/kg
dup027-20140221	480-55157-11	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	200	10	ug/kg
dup027-20140221	480-55157-11	ACENAPHTHENE	3/3/2014	9.9	Yes	Y	J		J	200	2.3	ug/kg
dup027-20140221	480-55157-11	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	200	15	ug/kg
dup027-20140221	480-55157-11	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	200	8.2	ug/kg
dup027-20140221	480-55157-11	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	200	58	ug/kg
dup027-20140221	480-55157-11	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	200	4.2	ug/kg
dup027-20140221	480-55157-11	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	390	11	ug/kg
dup027-20140221	480-55157-11	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	390	68	ug/kg
dup027-20140221	480-55157-11	4-NITROPHENOL	3/3/2014		Yes	N	U		U	390	48	ug/kg
dup027-20140221	480-55157-11	3-NITROANILINE	3/3/2014		Yes	N	U		U	390	46	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
dup027-20140221	480-55157-11	ACENAPHTHYLENE	3/3/2014	7.7	Yes	Y	J		J	200	1.6	ug/kg
dup027-20140221	480-55157-11	ACETOPHENONE	3/3/2014		Yes	N	U		U	200	10	ug/kg
dup027-20140221	480-55157-11	ANTHRACENE	3/3/2014	23	Yes	Y	J		J	200	5.1	ug/kg
dup027-20140221	480-55157-11	ATRAZINE	3/3/2014		Yes	N	U		U	200	8.8	ug/kg
dup027-20140221	480-55157-11	BENZALDEHYDE	3/3/2014		Yes	N	U		U	200	22	ug/kg
dup027-20140221	480-55157-11	BENZO(A)ANTHRACENE	3/3/2014	72	Yes	Y	J		J	200	3.4	ug/kg
dup027-20140221	480-55157-11	4-NITROANILINE	3/3/2014		Yes	N	U		U	390	22	ug/kg
dup027-20140221	480-55157-11	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	200	13	ug/kg
dup027-20140221	480-55157-11	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	43	ug/kg
dup027-20140221	480-55157-11	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	13	ug/kg
dup027-20140221	480-55157-11	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	10	ug/kg
dup027-20140221	480-55157-11	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	200	54	ug/kg
dup027-20140221	480-55157-11	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	390	69	ug/kg
dup027-20140221	480-55157-11	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	200	63	ug/kg
dup027-20140221	480-55157-11	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	200	48	ug/kg
dup027-20140221	480-55157-11	BENZO(G,H,I)PERYLENE	3/3/2014	58	Yes	Y	J		J	200	2.4	ug/kg
dup027-20140221	480-55157-11	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	200	10	ug/kg
dup027-20140221	480-55157-11	2-METHYLNAPHTHALENE	3/3/2014	5.3	Yes	Y	J		J	200	2.4	ug/kg
dup027-20140221	480-55157-11	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	200	6.1	ug/kg
dup027-20140221	480-55157-11	2-NITROANILINE	3/3/2014		Yes	N	U		U	390	64	ug/kg
dup027-20140221	480-55157-11	2-NITROPHENOL	3/3/2014		Yes	N	U		U	200	9.1	ug/kg
dup027-20140221	480-55157-11	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	200	170	ug/kg
dup027-20140221	480-55157-11	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	200	31	ug/kg
dup027-20140221	480-55157-11	NAPHTHALENE	3/3/2014	14	Yes	Y	J		J	200	3.3	ug/kg
dup027-20140221	480-55157-11	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	200	4.6	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
dup027-20140221	480-55157-11	FLUORANTHENE	3/3/2014	110	Yes	Y	J		J	200	2.9	ug/kg
dup027-20140221	480-55157-11	FLUORENE	3/3/2014	13	Yes	Y	J		J	200	4.6	ug/kg
dup027-20140221	480-55157-11	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	200	9.8	ug/kg
dup027-20140221	480-55157-11	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	200	60	ug/kg
dup027-20140221	480-55157-11	BENZO(A)PYRENE	3/3/2014	72	Yes	Y	J		J	200	4.8	ug/kg
dup027-20140221	480-55157-11	ISOPHORONE	3/3/2014		Yes	N	U		U	200	9.9	ug/kg
dup027-20140221	480-55157-11	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	200	6.0	ug/kg
dup027-20140221	480-55157-11	NITROBENZENE	3/3/2014		Yes	N	U		U	200	8.8	ug/kg
dup027-20140221	480-55157-11	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	200	16	ug/kg
dup027-20140221	480-55157-11	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	200	11	ug/kg
dup027-20140221	480-55157-11	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	390	68	ug/kg
dup027-20140221	480-55157-11	PHENANTHRENE	3/3/2014	85	Yes	Y	J		J	200	4.2	ug/kg
dup027-20140221	480-55157-11	PHENOL	3/3/2014		Yes	N	U		U	200	21	ug/kg
dup027-20140221	480-55157-11	INDENO(1,2,3-C,D)PYRENE	3/3/2014	55	Yes	Y	J		J	200	5.5	ug/kg
dup027-20140221	480-55157-11	CAPROLACTAM	3/3/2014		Yes	N	U		U	200	86	ug/kg
dup027-20140221	480-55157-11	PYRENE	3/3/2014	190	Yes	Y	J		J	200	1.3	ug/kg
dup027-20140221	480-55157-11	BENZO(K)FLUORANTHENE	3/3/2014	51	Yes	Y	J		J	200	2.2	ug/kg
dup027-20140221	480-55157-11	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	200	53	ug/kg
dup027-20140221	480-55157-11	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	200	12	ug/kg
dup027-20140221	480-55157-11	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	200	11	ug/kg
dup027-20140221	480-55157-11	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	200	17	ug/kg
dup027-20140221	480-55157-11	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	200	69	ug/kg
dup027-20140221	480-55157-11	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	200	64	ug/kg
dup027-20140221	480-55157-11	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	200	5.2	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
dup027-20140221	480-55157-11	CARBAZOLE	3/3/2014	8.5	Yes	Y	J		J	200	2.3	ug/kg
dup027-20140221	480-55157-11	CHRYSENE	3/3/2014	82	Yes	Y	J		J	200	2.0	ug/kg
dup027-20140221	480-55157-11	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	200	2.3	ug/kg
dup027-20140221	480-55157-11	DIBENZOFURAN	3/3/2014	5.2	Yes	Y	J		J	200	2.1	ug/kg
dup027-20140221	480-55157-11	BENZO(B)FLUORANTHENE	3/3/2014	81	Yes	Y	J		J	200	3.8	ug/kg
dup027-20140221	480-55157-11	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	200	21	ug/kg
FB028-20140221	480-55157-32	2-CHLORONAPHTHALENE	2/28/2014		Yes	N	U		U	5.2	0.48	ug/l
FB028-20140221	480-55157-32	BENZYL BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	5.2	0.44	ug/l
FB028-20140221	480-55157-32	ANTHRACENE	2/28/2014		Yes	N	U		U	5.2	0.29	ug/l
FB028-20140221	480-55157-32	CHRYSENE	2/28/2014		Yes	N	U		U	5.2	0.35	ug/l
FB028-20140221	480-55157-32	CARBAZOLE	2/28/2014		Yes	N	U		U	5.2	0.31	ug/l
FB028-20140221	480-55157-32	CAPROLACTAM	2/28/2014		Yes	N	U		U	5.2	2.3	ug/l
FB028-20140221	480-55157-32	BIS(2-ETHYLHEXYL) PHTHALATE	2/28/2014		Yes	N	U		U	5.2	1.9	ug/l
FB028-20140221	480-55157-32	BIS(2-CHLOROISOPROPYL) ETHER	2/28/2014		Yes	N	U		U	5.2	0.54	ug/l
FB028-20140221	480-55157-32	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/28/2014		Yes	N	U		U	5.2	0.42	ug/l
FB028-20140221	480-55157-32	DIBENZOFURAN	2/28/2014		Yes	N	U		U	10	0.53	ug/l
FB028-20140221	480-55157-32	BIPHENYL (DIPHENYL)	2/28/2014		Yes	N	U		U	5.2	0.68	ug/l
FB028-20140221	480-55157-32	DIETHYL PHTHALATE	2/28/2014		Yes	N	U		U	5.2	0.23	ug/l
FB028-20140221	480-55157-32	BENZO(K)FLUORANTHENE	2/28/2014		Yes	N	U		U	5.2	0.76	ug/l
FB028-20140221	480-55157-32	BENZO(G,H,I)PERYLENE	2/28/2014		Yes	N	U		U	5.2	0.37	ug/l
FB028-20140221	480-55157-32	BENZO(B)FLUORANTHENE	2/28/2014		Yes	N	U		U	5.2	0.36	ug/l
FB028-20140221	480-55157-32	BENZO(A)PYRENE	2/28/2014		Yes	N	U		U	5.2	0.49	ug/l
FB028-20140221	480-55157-32	BENZO(A)ANTHRACENE	2/28/2014		Yes	N	U		U	5.2	0.38	ug/l
FB028-20140221	480-55157-32	BENZALDEHYDE	2/28/2014		Yes	N	U		U	5.2	0.28	ug/l

SDG: 480551571

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB028-20140221	480-55157-32	ATRAZINE	2/28/2014		Yes	N	U		U	5.2	0.48	ug/l
FB028-20140221	480-55157-32	BIS(2-CHLOROETHOXY) METHANE	2/28/2014		Yes	N	U		U	5.2	0.37	ug/l
FB028-20140221	480-55157-32	HEXACHLOROETHANE	2/28/2014		Yes	N	U		U	5.2	0.62	ug/l
FB028-20140221	480-55157-32	PYRENE	2/28/2014		Yes	N	U		U	5.2	0.36	ug/l
FB028-20140221	480-55157-32	PHENOL	2/28/2014		Yes	N	U		U	5.2	0.41	ug/l
FB028-20140221	480-55157-32	PHENANTHRENE	2/28/2014		Yes	N	U		U	5.2	0.46	ug/l
FB028-20140221	480-55157-32	PENTACHLOROPHENOL	2/28/2014		Yes	N	U		U	10	2.3	ug/l
FB028-20140221	480-55157-32	N-NITROSODIPHENYLAMINE	2/28/2014		Yes	N	U		U	5.2	0.53	ug/l
FB028-20140221	480-55157-32	N-NITROSODI-N-PROPYLAMINE	2/28/2014		Yes	N	U		U	5.2	0.56	ug/l
FB028-20140221	480-55157-32	NITROBENZENE	2/28/2014		Yes	N	U		U	5.2	0.30	ug/l
FB028-20140221	480-55157-32	DIBENZ(A,H)ANTHRACENE	2/28/2014		Yes	N	U		U	5.2	0.44	ug/l
FB028-20140221	480-55157-32	ISOPHORONE	2/28/2014		Yes	N	U		U	5.2	0.45	ug/l
FB028-20140221	480-55157-32	HEXACHLOROCYCLOPENTADIENE	2/28/2014		Yes	N	U		U	5.2	0.62	ug/l
FB028-20140221	480-55157-32	HEXACHLOROBUTADIENE	2/28/2014		Yes	N	U		U	5.2	0.71	ug/l
FB028-20140221	480-55157-32	HEXACHLOROBENZENE	2/28/2014		Yes	N	U		U	5.2	0.53	ug/l
FB028-20140221	480-55157-32	FLUORENE	2/28/2014		Yes	N	U		U	5.2	0.38	ug/l
FB028-20140221	480-55157-32	FLUORANTHENE	2/28/2014		Yes	N	U		U	5.2	0.42	ug/l
FB028-20140221	480-55157-32	DI-N-OCTYLPHTHALATE	2/28/2014		Yes	N	U		U	5.2	0.49	ug/l
FB028-20140221	480-55157-32	DI-N-BUTYL PHTHALATE	2/28/2014	0.51	Yes	Y	J		J	5.2	0.32	ug/l
FB028-20140221	480-55157-32	DIMETHYL PHTHALATE	2/28/2014		Yes	N	U		U	5.2	0.38	ug/l
FB028-20140221	480-55157-32	NAPHTHALENE	2/28/2014		Yes	N	U		U	5.2	0.79	ug/l
FB028-20140221	480-55157-32	2,4-DIMETHYLPHENOL	2/28/2014		Yes	N	U		U	5.2	0.52	ug/l
FB028-20140221	480-55157-32	ACETOPHENONE	2/28/2014		Yes	N	U		U	5.2	0.56	ug/l
FB028-20140221	480-55157-32	INDENO(1,2,3-C,D)PYRENE	2/28/2014		Yes	N	U		U	5.2	0.49	ug/l
FB028-20140221	480-55157-32	2,4-DINITROTOLUENE	2/28/2014		Yes	N	U		U	5.2	0.47	ug/l

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB028-20140221	480-55157-32	2,4,5-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	5.2	0.50	ug/l
FB028-20140221	480-55157-32	2,4-DICHLOROPHENOL	2/28/2014		Yes	N	U		U	5.2	0.53	ug/l
FB028-20140221	480-55157-32	2,4-DINITROPHENOL	2/28/2014		Yes	N	U		U	10	2.3	ug/l
FB028-20140221	480-55157-32	2,6-DINITROTOLUENE	2/28/2014		Yes	N	U		U	5.2	0.42	ug/l
FB028-20140221	480-55157-32	2-CHLOROPHENOL	2/28/2014		Yes	N	U		U	5.2	0.55	ug/l
FB028-20140221	480-55157-32	2-METHYLNAPHTHALENE	2/28/2014		Yes	N	U		U	5.2	0.63	ug/l
FB028-20140221	480-55157-32	2-METHYLPHENOL (O-CRESOL)	2/28/2014		Yes	N	U		U	5.2	0.42	ug/l
FB028-20140221	480-55157-32	2-NITROANILINE	2/28/2014		Yes	N	U		U	10	0.44	ug/l
FB028-20140221	480-55157-32	2-NITROPHENOL	2/28/2014		Yes	N	U		U	5.2	0.50	ug/l
FB028-20140221	480-55157-32	4-NITROANILINE	2/28/2014		Yes	N	U		U	10	0.26	ug/l
FB028-20140221	480-55157-32	3-NITROANILINE	2/28/2014		Yes	N	U		U	10	0.50	ug/l
FB028-20140221	480-55157-32	4,6-DINITRO-2-METHYLPHENOL	2/28/2014		Yes	N	U		U	10	2.3	ug/l
FB028-20140221	480-55157-32	4-BROMOPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	5.2	0.47	ug/l
FB028-20140221	480-55157-32	4-CHLORO-3-METHYLPHENOL	2/28/2014		Yes	N	U		U	5.2	0.47	ug/l
FB028-20140221	480-55157-32	4-CHLOROANILINE	2/28/2014		Yes	N	U		U	5.2	0.62	ug/l
FB028-20140221	480-55157-32	4-CHLOROPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	5.2	0.37	ug/l
FB028-20140221	480-55157-32	4-METHYLPHENOL (P-CRESOL)	2/28/2014		Yes	N	U		U	10	0.38	ug/l
FB028-20140221	480-55157-32	ACENAPHTHENE	2/28/2014		Yes	N	U		U	5.2	0.43	ug/l
FB028-20140221	480-55157-32	2,4,6-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	5.2	0.64	ug/l
FB028-20140221	480-55157-32	4-NITROPHENOL	2/28/2014		Yes	N	U		U	10	1.6	ug/l
FB028-20140221	480-55157-32	3,3'-DICHLOROBENZIDINE	2/28/2014		Yes	N	U		U	5.2	0.42	ug/l
FB028-20140221	480-55157-32	ACENAPHTHYLENE	2/28/2014		Yes	N	U		U	5.2	0.40	ug/l
LT-C-053-0-2-20140221	480-55157-24	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	1900	15	ug/kg
LT-C-053-0-2-20140221	480-55157-24	ACENAPHTHENE	3/3/2014	85	Yes	Y	J		J	1900	22	ug/kg
LT-C-053-0-2-20140221	480-55157-24	ACETOPHENONE	3/3/2014		Yes	N	U		U	1900	94	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-053-0-2-20140221	480-55157-24	4-NITROANILINE	3/3/2014		Yes	N	U		U	3600	210	ug/kg
LT-C-053-0-2-20140221	480-55157-24	BENZO(G,H,I)PERYLENE	3/3/2014	490	Yes	Y	J		J	1900	22	ug/kg
LT-C-053-0-2-20140221	480-55157-24	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	3600	100	ug/kg
LT-C-053-0-2-20140221	480-55157-24	4-NITROPHENOL	3/3/2014		Yes	N	U		U	3600	450	ug/kg
LT-C-053-0-2-20140221	480-55157-24	ANTHRACENE	3/3/2014		Yes	N	U		U	1900	47	ug/kg
LT-C-053-0-2-20140221	480-55157-24	ATRAZINE	3/3/2014		Yes	N	U		U	1900	82	ug/kg
LT-C-053-0-2-20140221	480-55157-24	BENZALDEHYDE	3/3/2014		Yes	N	U		U	1900	200	ug/kg
LT-C-053-0-2-20140221	480-55157-24	BENZO(A)ANTHRACENE	3/3/2014	650	Yes	Y	J		J	1900	32	ug/kg
LT-C-053-0-2-20140221	480-55157-24	BENZO(B)FLUORANTHENE	3/3/2014	870	Yes	Y	J		J	1900	36	ug/kg
LT-C-053-0-2-20140221	480-55157-24	BENZO(K)FLUORANTHENE	3/3/2014	1000	Yes	Y	J		J	1900	20	ug/kg
LT-C-053-0-2-20140221	480-55157-24	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	1900	39	ug/kg
LT-C-053-0-2-20140221	480-55157-24	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	1900	120	ug/kg
LT-C-053-0-2-20140221	480-55157-24	BENZO(A)PYRENE	3/3/2014	660	Yes	Y	J		J	1900	44	ug/kg
LT-C-053-0-2-20140221	480-55157-24	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	96	ug/kg
LT-C-053-0-2-20140221	480-55157-24	2-NITROANILINE	3/3/2014		Yes	N	U		U	3600	590	ug/kg
LT-C-053-0-2-20140221	480-55157-24	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	1900	57	ug/kg
LT-C-053-0-2-20140221	480-55157-24	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	1900	22	ug/kg
LT-C-053-0-2-20140221	480-55157-24	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	94	ug/kg
LT-C-053-0-2-20140221	480-55157-24	FLUORANTHENE	3/3/2014	350	Yes	Y	J		J	1900	27	ug/kg
LT-C-053-0-2-20140221	480-55157-24	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1900	450	ug/kg
LT-C-053-0-2-20140221	480-55157-24	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	490	ug/kg
LT-C-053-0-2-20140221	480-55157-24	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1900	280	ug/kg
LT-C-053-0-2-20140221	480-55157-24	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	1900	500	ug/kg
LT-C-053-0-2-20140221	480-55157-24	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	1900	540	ug/kg
LT-C-053-0-2-20140221	480-55157-24	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	120	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-053-0-2-20140221	480-55157-24	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	400	ug/kg
LT-C-053-0-2-20140221	480-55157-24	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	1900	1600	ug/kg
LT-C-053-0-2-20140221	480-55157-24	3-NITROANILINE	3/3/2014		Yes	N	U		U	3600	420	ug/kg
LT-C-053-0-2-20140221	480-55157-24	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	3600	630	ug/kg
LT-C-053-0-2-20140221	480-55157-24	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	1900	580	ug/kg
LT-C-053-0-2-20140221	480-55157-24	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	1900	76	ug/kg
LT-C-053-0-2-20140221	480-55157-24	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	3600	640	ug/kg
LT-C-053-0-2-20140221	480-55157-24	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	1900	140	ug/kg
LT-C-053-0-2-20140221	480-55157-24	NAPHTHALENE	3/3/2014		Yes	N	U		U	1900	31	ug/kg
LT-C-053-0-2-20140221	480-55157-24	NITROBENZENE	3/3/2014		Yes	N	U		U	1900	81	ug/kg
LT-C-053-0-2-20140221	480-55157-24	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	1900	150	ug/kg
LT-C-053-0-2-20140221	480-55157-24	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	1900	100	ug/kg
LT-C-053-0-2-20140221	480-55157-24	2-NITROPHENOL	3/3/2014		Yes	N	U		U	1900	84	ug/kg
LT-C-053-0-2-20140221	480-55157-24	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	3600	630	ug/kg
LT-C-053-0-2-20140221	480-55157-24	PHENANTHRENE	3/3/2014		Yes	N	U		U	1900	39	ug/kg
LT-C-053-0-2-20140221	480-55157-24	PHENOL	3/3/2014		Yes	N	U		U	1900	190	ug/kg
LT-C-053-0-2-20140221	480-55157-24	PYRENE	3/3/2014	2100	Yes	Y				1900	12	ug/kg
LT-C-053-0-2-20140221	480-55157-24	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	640	ug/kg
LT-C-053-0-2-20140221	480-55157-24	INDENO(1,2,3-C,D)PYRENE	3/3/2014	460	Yes	Y	J		J	1900	51	ug/kg
LT-C-053-0-2-20140221	480-55157-24	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	1900	110	ug/kg
LT-C-053-0-2-20140221	480-55157-24	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	1900	560	ug/kg
LT-C-053-0-2-20140221	480-55157-24	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	1900	94	ug/kg
LT-C-053-0-2-20140221	480-55157-24	DIBENZOFURAN	3/3/2014		Yes	N	U		U	1900	19	ug/kg
LT-C-053-0-2-20140221	480-55157-24	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	1900	100	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-053-0-2-20140221	480-55157-24	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	1900	160	ug/kg
LT-C-053-0-2-20140221	480-55157-24	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	1900	190	ug/kg
LT-C-053-0-2-20140221	480-55157-24	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014	2300	Yes	Y				1900	590	ug/kg
LT-C-053-0-2-20140221	480-55157-24	CAPROLACTAM	3/3/2014		Yes	N	U		U	1900	800	ug/kg
LT-C-053-0-2-20140221	480-55157-24	CARBAZOLE	3/3/2014		Yes	N	U		U	1900	21	ug/kg
LT-C-053-0-2-20140221	480-55157-24	CHRYSENE	3/3/2014	890	Yes	Y	J		J	1900	18	ug/kg
LT-C-053-0-2-20140221	480-55157-24	ISOPHORONE	3/3/2014		Yes	N	U		U	1900	92	ug/kg
LT-C-053-0-2-20140221	480-55157-24	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	1900	22	ug/kg
LT-C-053-0-2-20140221	480-55157-24	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	1900	91	ug/kg
LT-C-053-0-2-20140221	480-55157-24	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	56	ug/kg
LT-C-053-0-2-20140221	480-55157-24	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	48	ug/kg
LT-C-053-0-2-20140221	480-55157-24	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	1900	43	ug/kg
LT-C-053-0-2-20140221	480-55157-24	FLUORENE	3/3/2014		Yes	N	U		U	1900	42	ug/kg
LT-C-053-4-6-20140221	480-55157-25	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	390	70	ug/kg
LT-C-053-4-6-20140221	480-55157-25	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	200	54	ug/kg
LT-C-053-4-6-20140221	480-55157-25	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	10	ug/kg
LT-C-053-4-6-20140221	480-55157-25	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	13	ug/kg
LT-C-053-4-6-20140221	480-55157-25	BENZO(G,H,I)PERYLENE	3/3/2014	340	Yes	Y				200	2.4	ug/kg
LT-C-053-4-6-20140221	480-55157-25	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	200	31	ug/kg
LT-C-053-4-6-20140221	480-55157-25	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	200	9.9	ug/kg
LT-C-053-4-6-20140221	480-55157-25	BENZO(A)PYRENE	3/3/2014	500	Yes	Y				200	4.8	ug/kg
LT-C-053-4-6-20140221	480-55157-25	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	200	17	ug/kg
LT-C-053-4-6-20140221	480-55157-25	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	200	21	ug/kg
LT-C-053-4-6-20140221	480-55157-25	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	200	64	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-053-4-6-20140221	480-55157-25	CAPROLACTAM	3/3/2014		Yes	N	U		U	200	86	ug/kg
LT-C-053-4-6-20140221	480-55157-25	CARBAZOLE	3/3/2014		Yes	N	U		U	200	2.3	ug/kg
LT-C-053-4-6-20140221	480-55157-25	CHRYSENE	3/3/2014	660	Yes	Y				200	2.0	ug/kg
LT-C-053-4-6-20140221	480-55157-25	DIBENZ(A,H)ANTHRACENE	3/3/2014	80	Yes	Y	J		J	200	2.3	ug/kg
LT-C-053-4-6-20140221	480-55157-25	DIBENZOFURAN	3/3/2014		Yes	N	U		U	200	2.1	ug/kg
LT-C-053-4-6-20140221	480-55157-25	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	200	6.0	ug/kg
LT-C-053-4-6-20140221	480-55157-25	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	200	5.2	ug/kg
LT-C-053-4-6-20140221	480-55157-25	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	200	69	ug/kg
LT-C-053-4-6-20140221	480-55157-25	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	200	12	ug/kg
LT-C-053-4-6-20140221	480-55157-25	FLUORANTHENE	3/3/2014	980	Yes	Y				200	2.9	ug/kg
LT-C-053-4-6-20140221	480-55157-25	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	200	53	ug/kg
LT-C-053-4-6-20140221	480-55157-25	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	200	60	ug/kg
LT-C-053-4-6-20140221	480-55157-25	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	200	15	ug/kg
LT-C-053-4-6-20140221	480-55157-25	INDENO(1,2,3-C,D)PYRENE	3/3/2014	290	Yes	Y				200	5.5	ug/kg
LT-C-053-4-6-20140221	480-55157-25	ISOPHORONE	3/3/2014		Yes	N	U		U	200	10	ug/kg
LT-C-053-4-6-20140221	480-55157-25	NAPHTHALENE	3/3/2014		Yes	N	U		U	200	3.3	ug/kg
LT-C-053-4-6-20140221	480-55157-25	NITROBENZENE	3/3/2014		Yes	N	U		U	200	8.8	ug/kg
LT-C-053-4-6-20140221	480-55157-25	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	200	16	ug/kg
LT-C-053-4-6-20140221	480-55157-25	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	200	11	ug/kg
LT-C-053-4-6-20140221	480-55157-25	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	390	68	ug/kg
LT-C-053-4-6-20140221	480-55157-25	PHENANTHRENE	3/3/2014	1400	Yes	Y				200	4.2	ug/kg
LT-C-053-4-6-20140221	480-55157-25	PHENOL	3/3/2014		Yes	N	U		U	200	21	ug/kg
LT-C-053-4-6-20140221	480-55157-25	PYRENE	3/3/2014	1900	Yes	Y				200	1.3	ug/kg
LT-C-053-4-6-20140221	480-55157-25	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	200	4.7	ug/kg
LT-C-053-4-6-20140221	480-55157-25	4-NITROANILINE	3/3/2014		Yes	N	U		U	390	22	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-053-4-6-20140221	480-55157-25	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	200	13	ug/kg
LT-C-053-4-6-20140221	480-55157-25	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	200	10	ug/kg
LT-C-053-4-6-20140221	480-55157-25	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	200	2.4	ug/kg
LT-C-053-4-6-20140221	480-55157-25	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	200	6.1	ug/kg
LT-C-053-4-6-20140221	480-55157-25	2-NITROANILINE	3/3/2014		Yes	N	U		U	390	64	ug/kg
LT-C-053-4-6-20140221	480-55157-25	2-NITROPHENOL	3/3/2014		Yes	N	U		U	200	9.1	ug/kg
LT-C-053-4-6-20140221	480-55157-25	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	200	170	ug/kg
LT-C-053-4-6-20140221	480-55157-25	3-NITROANILINE	3/3/2014		Yes	N	U		U	390	46	ug/kg
LT-C-053-4-6-20140221	480-55157-25	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	390	69	ug/kg
LT-C-053-4-6-20140221	480-55157-25	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	200	63	ug/kg
LT-C-053-4-6-20140221	480-55157-25	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	200	8.2	ug/kg
LT-C-053-4-6-20140221	480-55157-25	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	200	58	ug/kg
LT-C-053-4-6-20140221	480-55157-25	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	200	11	ug/kg
LT-C-053-4-6-20140221	480-55157-25	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	390	11	ug/kg
LT-C-053-4-6-20140221	480-55157-25	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	200	49	ug/kg
LT-C-053-4-6-20140221	480-55157-25	4-NITROPHENOL	3/3/2014		Yes	N	U		U	390	48	ug/kg
LT-C-053-4-6-20140221	480-55157-25	ACENAPHTHENE	3/3/2014	130	Yes	Y	J		J	200	2.3	ug/kg
LT-C-053-4-6-20140221	480-55157-25	ACENAPHTHYLENE	3/3/2014	37	Yes	Y	J		J	200	1.6	ug/kg
LT-C-053-4-6-20140221	480-55157-25	ACETOPHENONE	3/3/2014		Yes	N	U		U	200	10	ug/kg
LT-C-053-4-6-20140221	480-55157-25	ANTHRACENE	3/3/2014	130	Yes	Y	J		J	200	5.1	ug/kg
LT-C-053-4-6-20140221	480-55157-25	ATRAZINE	3/3/2014		Yes	N	U		U	200	8.9	ug/kg
LT-C-053-4-6-20140221	480-55157-25	BENZALDEHYDE	3/3/2014		Yes	N	U		U	200	22	ug/kg
LT-C-053-4-6-20140221	480-55157-25	BENZO(A)ANTHRACENE	3/3/2014	550	Yes	Y				200	3.4	ug/kg
LT-C-053-4-6-20140221	480-55157-25	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	43	ug/kg
LT-C-053-4-6-20140221	480-55157-25	BENZO(B)FLUORANTHENE	3/3/2014	570	Yes	Y				200	3.9	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-053-4-6-20140221	480-55157-25	FLUORENE	3/3/2014	33	Yes	Y	J		J	200	4.6	ug/kg
LT-C-053-4-6-20140221	480-55157-25	BENZO(K)FLUORANTHENE	3/3/2014	250	Yes	Y				200	2.2	ug/kg
LT-C-053-4-6-20140221	480-55157-25	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	200	4.2	ug/kg
LT-C-053-4-6-20140221	480-55157-25	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	200	10	ug/kg
LT-C-053-6-8-20140221	480-55157-26	ACETOPHENONE	3/3/2014		Yes	N	U		U	190	9.5	ug/kg
LT-C-053-6-8-20140221	480-55157-26	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	190	7.6	ug/kg
LT-C-053-6-8-20140221	480-55157-26	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	190	54	ug/kg
LT-C-053-6-8-20140221	480-55157-26	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	190	3.9	ug/kg
LT-C-053-6-8-20140221	480-55157-26	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	360	10	ug/kg
LT-C-053-6-8-20140221	480-55157-26	4-NITROANILINE	3/3/2014		Yes	N	U		U	360	21	ug/kg
LT-C-053-6-8-20140221	480-55157-26	4-NITROPHENOL	3/3/2014		Yes	N	U		U	360	45	ug/kg
LT-C-053-6-8-20140221	480-55157-26	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	40	ug/kg
LT-C-053-6-8-20140221	480-55157-26	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	190	1.5	ug/kg
LT-C-053-6-8-20140221	480-55157-26	3-NITROANILINE	3/3/2014		Yes	N	U		U	360	43	ug/kg
LT-C-053-6-8-20140221	480-55157-26	ANTHRACENE	3/3/2014		Yes	N	U		U	190	4.7	ug/kg
LT-C-053-6-8-20140221	480-55157-26	ATRAZINE	3/3/2014		Yes	N	U		U	190	8.2	ug/kg
LT-C-053-6-8-20140221	480-55157-26	BENZALDEHYDE	3/3/2014		Yes	N	U		U	190	20	ug/kg
LT-C-053-6-8-20140221	480-55157-26	BENZO(A)ANTHRACENE	3/3/2014		Yes	N	U		U	190	3.2	ug/kg
LT-C-053-6-8-20140221	480-55157-26	BENZO(A)PYRENE	3/3/2014		Yes	N	U		U	190	4.5	ug/kg
LT-C-053-6-8-20140221	480-55157-26	ACENAPHTHENE	3/3/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-053-6-8-20140221	480-55157-26	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	190	9.4	ug/kg
LT-C-053-6-8-20140221	480-55157-26	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	12	ug/kg
LT-C-053-6-8-20140221	480-55157-26	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	9.7	ug/kg
LT-C-053-6-8-20140221	480-55157-26	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	190	50	ug/kg
LT-C-053-6-8-20140221	480-55157-26	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	360	65	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-053-6-8-20140221	480-55157-26	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	190	29	ug/kg
LT-C-053-6-8-20140221	480-55157-26	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	190	59	ug/kg
LT-C-053-6-8-20140221	480-55157-26	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	190	12	ug/kg
LT-C-053-6-8-20140221	480-55157-26	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	360	64	ug/kg
LT-C-053-6-8-20140221	480-55157-26	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-053-6-8-20140221	480-55157-26	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	190	5.7	ug/kg
LT-C-053-6-8-20140221	480-55157-26	2-NITROANILINE	3/3/2014		Yes	N	U		U	360	59	ug/kg
LT-C-053-6-8-20140221	480-55157-26	2-NITROPHENOL	3/3/2014		Yes	N	U		U	190	8.5	ug/kg
LT-C-053-6-8-20140221	480-55157-26	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	190	160	ug/kg
LT-C-053-6-8-20140221	480-55157-26	BENZO(K)FLUORANTHENE	3/3/2014		Yes	N	U		U	190	2.0	ug/kg
LT-C-053-6-8-20140221	480-55157-26	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	190	45	ug/kg
LT-C-053-6-8-20140221	480-55157-26	ISOPHORONE	3/3/2014		Yes	N	U		U	190	9.2	ug/kg
LT-C-053-6-8-20140221	480-55157-26	BENZO(B)FLUORANTHENE	3/3/2014		Yes	N	U		U	190	3.6	ug/kg
LT-C-053-6-8-20140221	480-55157-26	FLUORENE	3/3/2014		Yes	N	U		U	190	4.3	ug/kg
LT-C-053-6-8-20140221	480-55157-26	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	190	9.2	ug/kg
LT-C-053-6-8-20140221	480-55157-26	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	190	9.5	ug/kg
LT-C-053-6-8-20140221	480-55157-26	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	190	56	ug/kg
LT-C-053-6-8-20140221	480-55157-26	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	190	4.3	ug/kg
LT-C-053-6-8-20140221	480-55157-26	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U		U	190	5.1	ug/kg
LT-C-053-6-8-20140221	480-55157-26	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	190	64	ug/kg
LT-C-053-6-8-20140221	480-55157-26	NAPHTHALENE	3/3/2014		Yes	N	U		U	190	3.1	ug/kg
LT-C-053-6-8-20140221	480-55157-26	NITROBENZENE	3/3/2014		Yes	N	U		U	190	8.2	ug/kg
LT-C-053-6-8-20140221	480-55157-26	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	190	10	ug/kg
LT-C-053-6-8-20140221	480-55157-26	PHENANTHRENE	3/3/2014		Yes	N	U		U	190	3.9	ug/kg
LT-C-053-6-8-20140221	480-55157-26	PHENOL	3/3/2014		Yes	N	U		U	190	19	ug/kg

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Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-053-6-8-20140221	480-55157-26	PYRENE	3/3/2014	80	Yes	Y	J		J	190	1.2	ug/kg
LT-C-053-6-8-20140221	480-55157-26	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	190	14	ug/kg
LT-C-053-6-8-20140221	480-55157-26	CAPROLACTAM	3/3/2014		Yes	N	U		U	190	80	ug/kg
LT-C-053-6-8-20140221	480-55157-26	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	190	15	ug/kg
LT-C-053-6-8-20140221	480-55157-26	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	190	50	ug/kg
LT-C-053-6-8-20140221	480-55157-26	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	190	12	ug/kg
LT-C-053-6-8-20140221	480-55157-26	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	190	10	ug/kg
LT-C-053-6-8-20140221	480-55157-26	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	190	16	ug/kg
LT-C-053-6-8-20140221	480-55157-26	FLUORANTHENE	3/3/2014		Yes	N	U		U	190	2.7	ug/kg
LT-C-053-6-8-20140221	480-55157-26	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	190	60	ug/kg
LT-C-053-6-8-20140221	480-55157-26	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-053-6-8-20140221	480-55157-26	CARBAZOLE	3/3/2014		Yes	N	U		U	190	2.1	ug/kg
LT-C-053-6-8-20140221	480-55157-26	CHRYSENE	3/3/2014		Yes	N	U		U	190	1.8	ug/kg
LT-C-053-6-8-20140221	480-55157-26	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-053-6-8-20140221	480-55157-26	DIBENZOFURAN	3/3/2014		Yes	N	U		U	190	1.9	ug/kg
LT-C-053-6-8-20140221	480-55157-26	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	190	5.6	ug/kg
LT-C-053-6-8-20140221	480-55157-26	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	190	4.8	ug/kg
LT-C-053-6-8-20140221	480-55157-26	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	190	19	ug/kg
LT-C-053-6-8-20140221	480-55157-26	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	360	63	ug/kg
LT-C-054-0-2-20140221	480-55157-27	ANTHRACENE	3/3/2014		Yes	N	U		U	1900	47	ug/kg
LT-C-054-0-2-20140221	480-55157-27	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	1900	40	ug/kg
LT-C-054-0-2-20140221	480-55157-27	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	3600	100	ug/kg
LT-C-054-0-2-20140221	480-55157-27	4-NITROANILINE	3/3/2014		Yes	N	U		U	3600	210	ug/kg
LT-C-054-0-2-20140221	480-55157-27	4-NITROPHENOL	3/3/2014		Yes	N	U		U	3600	450	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-054-0-2-20140221	480-55157-27	ACENAPHTHENE	3/3/2014	57	Yes	Y	J		J	1900	22	ug/kg
LT-C-054-0-2-20140221	480-55157-27	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	400	ug/kg
LT-C-054-0-2-20140221	480-55157-27	ACETOPHENONE	3/3/2014		Yes	N	U		U	1900	95	ug/kg
LT-C-054-0-2-20140221	480-55157-27	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	1900	590	ug/kg
LT-C-054-0-2-20140221	480-55157-27	ATRAZINE	3/3/2014		Yes	N	U		U	1900	83	ug/kg
LT-C-054-0-2-20140221	480-55157-27	BENZALDEHYDE	3/3/2014		Yes	N	U		U	1900	200	ug/kg
LT-C-054-0-2-20140221	480-55157-27	BENZO(A)ANTHRACENE	3/3/2014		Yes	N	U		U	1900	32	ug/kg
LT-C-054-0-2-20140221	480-55157-27	BENZO(A)PYRENE	3/3/2014		Yes	N	U		U	1900	45	ug/kg
LT-C-054-0-2-20140221	480-55157-27	BENZO(B)FLUORANTHENE	3/3/2014		Yes	N	U		U	1900	36	ug/kg
LT-C-054-0-2-20140221	480-55157-27	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	1900	15	ug/kg
LT-C-054-0-2-20140221	480-55157-27	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	1900	57	ug/kg
LT-C-054-0-2-20140221	480-55157-27	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	120	ug/kg
LT-C-054-0-2-20140221	480-55157-27	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	97	ug/kg
LT-C-054-0-2-20140221	480-55157-27	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	3600	650	ug/kg
LT-C-054-0-2-20140221	480-55157-27	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1900	450	ug/kg
LT-C-054-0-2-20140221	480-55157-27	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	1900	120	ug/kg
LT-C-054-0-2-20140221	480-55157-27	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	1900	540	ug/kg
LT-C-054-0-2-20140221	480-55157-27	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	1900	22	ug/kg
LT-C-054-0-2-20140221	480-55157-27	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	1900	76	ug/kg
LT-C-054-0-2-20140221	480-55157-27	2-NITROANILINE	3/3/2014		Yes	N	U		U	3600	590	ug/kg
LT-C-054-0-2-20140221	480-55157-27	2-NITROPHENOL	3/3/2014		Yes	N	U		U	1900	85	ug/kg
LT-C-054-0-2-20140221	480-55157-27	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	1900	1600	ug/kg
LT-C-054-0-2-20140221	480-55157-27	3-NITROANILINE	3/3/2014		Yes	N	U		U	3600	430	ug/kg
LT-C-054-0-2-20140221	480-55157-27	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	3600	640	ug/kg
LT-C-054-0-2-20140221	480-55157-27	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	500	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-054-0-2-20140221	480-55157-27	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	1900	94	ug/kg
LT-C-054-0-2-20140221	480-55157-27	NITROBENZENE	3/3/2014		Yes	N	U		U	1900	82	ug/kg
LT-C-054-0-2-20140221	480-55157-27	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	1900	92	ug/kg
LT-C-054-0-2-20140221	480-55157-27	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	1900	95	ug/kg
LT-C-054-0-2-20140221	480-55157-27	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	1900	560	ug/kg
LT-C-054-0-2-20140221	480-55157-27	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	1900	140	ug/kg
LT-C-054-0-2-20140221	480-55157-27	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U		U	1900	51	ug/kg
LT-C-054-0-2-20140221	480-55157-27	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U		U	1900	22	ug/kg
LT-C-054-0-2-20140221	480-55157-27	NAPHTHALENE	3/3/2014		Yes	N	U		U	1900	31	ug/kg
LT-C-054-0-2-20140221	480-55157-27	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	1900	43	ug/kg
LT-C-054-0-2-20140221	480-55157-27	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	1900	150	ug/kg
LT-C-054-0-2-20140221	480-55157-27	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	1900	100	ug/kg
LT-C-054-0-2-20140221	480-55157-27	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	3600	640	ug/kg
LT-C-054-0-2-20140221	480-55157-27	PHENANTHRENE	3/3/2014		Yes	N	U		U	1900	39	ug/kg
LT-C-054-0-2-20140221	480-55157-27	PHENOL	3/3/2014		Yes	N	U		U	1900	200	ug/kg
LT-C-054-0-2-20140221	480-55157-27	PYRENE	3/3/2014	1100	Yes	Y	J		J	1900	12	ug/kg
LT-C-054-0-2-20140221	480-55157-27	ISOPHORONE	3/3/2014		Yes	N	U		U	1900	93	ug/kg
LT-C-054-0-2-20140221	480-55157-27	CHRYSENE	3/3/2014	400	Yes	Y	J		J	1900	19	ug/kg
LT-C-054-0-2-20140221	480-55157-27	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	1900	500	ug/kg
LT-C-054-0-2-20140221	480-55157-27	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	1900	120	ug/kg
LT-C-054-0-2-20140221	480-55157-27	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	1900	100	ug/kg
LT-C-054-0-2-20140221	480-55157-27	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	1900	160	ug/kg
LT-C-054-0-2-20140221	480-55157-27	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	1900	190	ug/kg
LT-C-054-0-2-20140221	480-55157-27	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014	1400	Yes	Y	J		J	1900	600	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-054-0-2-20140221	480-55157-27	FLUORENE	3/3/2014		Yes	N	U		U	1900	43	ug/kg
LT-C-054-0-2-20140221	480-55157-27	CARBAZOLE	3/3/2014		Yes	N	U		U	1900	21	ug/kg
LT-C-054-0-2-20140221	480-55157-27	FLUORANTHENE	3/3/2014		Yes	N	U		U	1900	27	ug/kg
LT-C-054-0-2-20140221	480-55157-27	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	1900	22	ug/kg
LT-C-054-0-2-20140221	480-55157-27	DIBENZOFURAN	3/3/2014		Yes	N	U		U	1900	19	ug/kg
LT-C-054-0-2-20140221	480-55157-27	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	56	ug/kg
LT-C-054-0-2-20140221	480-55157-27	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	48	ug/kg
LT-C-054-0-2-20140221	480-55157-27	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	1900	640	ug/kg
LT-C-054-0-2-20140221	480-55157-27	BENZO(K)FLUORANTHENE	3/3/2014		Yes	N	U		U	1900	20	ug/kg
LT-C-054-0-2-20140221	480-55157-27	CAPROLACTAM	3/3/2014		Yes	N	U		U	1900	800	ug/kg
LT-C-054-0-2-20140221	480-55157-27	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	1900	290	ug/kg
LT-C-054-2-4-20140221	480-55157-28	ANTHRACENE	3/3/2014		Yes	N	U		U	180	4.7	ug/kg
LT-C-054-2-4-20140221	480-55157-28	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	180	58	ug/kg
LT-C-054-2-4-20140221	480-55157-28	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	180	7.5	ug/kg
LT-C-054-2-4-20140221	480-55157-28	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	180	54	ug/kg
LT-C-054-2-4-20140221	480-55157-28	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	360	10	ug/kg
LT-C-054-2-4-20140221	480-55157-28	4-NITROPHENOL	3/3/2014		Yes	N	U		U	360	44	ug/kg
LT-C-054-2-4-20140221	480-55157-28	ACENAPHTHENE	3/3/2014		Yes	N	U		U	180	2.1	ug/kg
LT-C-054-2-4-20140221	480-55157-28	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U		U	180	2.2	ug/kg
LT-C-054-2-4-20140221	480-55157-28	ACETOPHENONE	3/3/2014		Yes	N	U		U	180	9.4	ug/kg
LT-C-054-2-4-20140221	480-55157-28	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	180	160	ug/kg
LT-C-054-2-4-20140221	480-55157-28	ATRAZINE	3/3/2014		Yes	N	U		U	180	8.1	ug/kg
LT-C-054-2-4-20140221	480-55157-28	BENZALDEHYDE	3/3/2014		Yes	N	U		U	180	20	ug/kg
LT-C-054-2-4-20140221	480-55157-28	BENZO(A)ANTHRACENE	3/3/2014		Yes	N	U		U	180	3.1	ug/kg
LT-C-054-2-4-20140221	480-55157-28	BENZO(A)PYRENE	3/3/2014		Yes	N	U		U	180	4.4	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-054-2-4-20140221	480-55157-28	BENZO(B)FLUORANTHENE	3/3/2014		Yes	N	U		U	180	3.5	ug/kg
LT-C-054-2-4-20140221	480-55157-28	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	180	1.5	ug/kg
LT-C-054-2-4-20140221	480-55157-28	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	180	12	ug/kg
LT-C-054-2-4-20140221	480-55157-28	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	180	40	ug/kg
LT-C-054-2-4-20140221	480-55157-28	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	180	12	ug/kg
LT-C-054-2-4-20140221	480-55157-28	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	180	9.6	ug/kg
LT-C-054-2-4-20140221	480-55157-28	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	180	49	ug/kg
LT-C-054-2-4-20140221	480-55157-28	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	360	64	ug/kg
LT-C-054-2-4-20140221	480-55157-28	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	360	63	ug/kg
LT-C-054-2-4-20140221	480-55157-28	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	180	45	ug/kg
LT-C-054-2-4-20140221	480-55157-28	3-NITROANILINE	3/3/2014		Yes	N	U		U	360	42	ug/kg
LT-C-054-2-4-20140221	480-55157-28	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	180	9.3	ug/kg
LT-C-054-2-4-20140221	480-55157-28	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	180	2.2	ug/kg
LT-C-054-2-4-20140221	480-55157-28	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	180	5.6	ug/kg
LT-C-054-2-4-20140221	480-55157-28	2-NITROANILINE	3/3/2014		Yes	N	U		U	360	59	ug/kg
LT-C-054-2-4-20140221	480-55157-28	2-NITROPHENOL	3/3/2014		Yes	N	U		U	180	8.3	ug/kg
LT-C-054-2-4-20140221	480-55157-28	4-NITROANILINE	3/3/2014		Yes	N	U		U	360	20	ug/kg
LT-C-054-2-4-20140221	480-55157-28	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	180	28	ug/kg
LT-C-054-2-4-20140221	480-55157-28	BENZO(K)FLUORANTHENE	3/3/2014		Yes	N	U		U	180	2.0	ug/kg
LT-C-054-2-4-20140221	480-55157-28	FLUORENE	3/3/2014		Yes	N	U		U	180	4.2	ug/kg
LT-C-054-2-4-20140221	480-55157-28	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	180	9.1	ug/kg
LT-C-054-2-4-20140221	480-55157-28	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	180	9.3	ug/kg
LT-C-054-2-4-20140221	480-55157-28	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	180	55	ug/kg
LT-C-054-2-4-20140221	480-55157-28	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	180	14	ug/kg
LT-C-054-2-4-20140221	480-55157-28	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U		U	180	5.0	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-054-2-4-20140221	480-55157-28	FLUORANTHENE	3/3/2014		Yes	N	U		U	180	2.6	ug/kg
LT-C-054-2-4-20140221	480-55157-28	NAPHTHALENE	3/3/2014		Yes	N	U		U	180	3.0	ug/kg
LT-C-054-2-4-20140221	480-55157-28	NITROBENZENE	3/3/2014		Yes	N	U		U	180	8.1	ug/kg
LT-C-054-2-4-20140221	480-55157-28	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	180	14	ug/kg
LT-C-054-2-4-20140221	480-55157-28	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	180	3.9	ug/kg
LT-C-054-2-4-20140221	480-55157-28	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	360	63	ug/kg
LT-C-054-2-4-20140221	480-55157-28	PHENANTHRENE	3/3/2014		Yes	N	U		U	180	3.8	ug/kg
LT-C-054-2-4-20140221	480-55157-28	PHENOL	3/3/2014		Yes	N	U		U	180	19	ug/kg
LT-C-054-2-4-20140221	480-55157-28	PYRENE	3/3/2014	32	Yes	Y	J		J	180	1.2	ug/kg
LT-C-054-2-4-20140221	480-55157-28	ISOPHORONE	3/3/2014		Yes	N	U		U	180	9.1	ug/kg
LT-C-054-2-4-20140221	480-55157-28	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	180	19	ug/kg
LT-C-054-2-4-20140221	480-55157-28	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	180	49	ug/kg
LT-C-054-2-4-20140221	480-55157-28	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	180	10	ug/kg
LT-C-054-2-4-20140221	480-55157-28	DI-N-OCTYL PHTHALATE	3/3/2014		Yes	N	U		U	180	4.3	ug/kg
LT-C-054-2-4-20140221	480-55157-28	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	180	11	ug/kg
LT-C-054-2-4-20140221	480-55157-28	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	180	16	ug/kg
LT-C-054-2-4-20140221	480-55157-28	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	180	59	ug/kg
LT-C-054-2-4-20140221	480-55157-28	CAPROLACTAM	3/3/2014		Yes	N	U		U	180	79	ug/kg
LT-C-054-2-4-20140221	480-55157-28	CARBAZOLE	3/3/2014		Yes	N	U		U	180	2.1	ug/kg
LT-C-054-2-4-20140221	480-55157-28	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	180	5.5	ug/kg
LT-C-054-2-4-20140221	480-55157-28	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	180	2.1	ug/kg
LT-C-054-2-4-20140221	480-55157-28	DIBENZOFURAN	3/3/2014		Yes	N	U		U	180	1.9	ug/kg
LT-C-054-2-4-20140221	480-55157-28	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	180	63	ug/kg
LT-C-054-2-4-20140221	480-55157-28	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	180	4.8	ug/kg

SDG: 480551571

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-054-2-4-20140221	480-55157-28	CHRYSENE	3/3/2014		Yes	N	U		U	180	1.8	ug/kg
LT-C-054-2-4-20140221	480-55157-28	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	180	9.9	ug/kg
LT-C-057-0-2-20140221	480-55157-29	CAPROLACTAM	3/3/2014		Yes	N	U		U	180	79	ug/kg
LT-C-057-0-2-20140221	480-55157-29	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	180	59	ug/kg
LT-C-057-0-2-20140221	480-55157-29	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	180	19	ug/kg
LT-C-057-0-2-20140221	480-55157-29	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	180	9.9	ug/kg
LT-C-057-0-2-20140221	480-55157-29	BENZO(K)FLUORANTHENE	3/3/2014		Yes	N	U		U	180	2.0	ug/kg
LT-C-057-0-2-20140221	480-55157-29	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U		U	180	2.2	ug/kg
LT-C-057-0-2-20140221	480-55157-29	BENZO(A)PYRENE	3/3/2014		Yes	N	U		U	180	4.4	ug/kg
LT-C-057-0-2-20140221	480-55157-29	CARBAZOLE	3/3/2014		Yes	N	U		U	180	2.1	ug/kg
LT-C-057-0-2-20140221	480-55157-29	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	180	49	ug/kg
LT-C-057-0-2-20140221	480-55157-29	BENZO(B)FLUORANTHENE	3/3/2014		Yes	N	U		U	180	3.5	ug/kg
LT-C-057-0-2-20140221	480-55157-29	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	180	49	ug/kg
LT-C-057-0-2-20140221	480-55157-29	CHRYSENE	3/3/2014	30	Yes	Y	J		J	180	1.8	ug/kg
LT-C-057-0-2-20140221	480-55157-29	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	180	2.1	ug/kg
LT-C-057-0-2-20140221	480-55157-29	DIBENZOFURAN	3/3/2014		Yes	N	U		U	180	1.9	ug/kg
LT-C-057-0-2-20140221	480-55157-29	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	180	5.5	ug/kg
LT-C-057-0-2-20140221	480-55157-29	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	180	4.8	ug/kg
LT-C-057-0-2-20140221	480-55157-29	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	180	63	ug/kg
LT-C-057-0-2-20140221	480-55157-29	FLUORANTHENE	3/3/2014		Yes	N	U		U	180	2.6	ug/kg
LT-C-057-0-2-20140221	480-55157-29	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	180	9.6	ug/kg
LT-C-057-0-2-20140221	480-55157-29	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	180	12	ug/kg
LT-C-057-0-2-20140221	480-55157-29	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	180	40	ug/kg
LT-C-057-0-2-20140221	480-55157-29	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	180	11	ug/kg
LT-C-057-0-2-20140221	480-55157-29	BENZO(A)ANTHRACENE	3/3/2014		Yes	N	U		U	180	3.2	ug/kg

SDG: 480551571

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-057-0-2-20140221	480-55157-29	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	180	4.3	ug/kg
LT-C-057-0-2-20140221	480-55157-29	2-NITROPHENOL	3/3/2014		Yes	N	U		U	180	8.3	ug/kg
LT-C-057-0-2-20140221	480-55157-29	4-NITROANILINE	3/3/2014		Yes	N	U		U	360	20	ug/kg
LT-C-057-0-2-20140221	480-55157-29	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	360	10	ug/kg
LT-C-057-0-2-20140221	480-55157-29	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	180	3.9	ug/kg
LT-C-057-0-2-20140221	480-55157-29	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	180	54	ug/kg
LT-C-057-0-2-20140221	480-55157-29	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	180	7.5	ug/kg
LT-C-057-0-2-20140221	480-55157-29	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	180	58	ug/kg
LT-C-057-0-2-20140221	480-55157-29	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	360	63	ug/kg
LT-C-057-0-2-20140221	480-55157-29	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	360	64	ug/kg
LT-C-057-0-2-20140221	480-55157-29	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	180	16	ug/kg
LT-C-057-0-2-20140221	480-55157-29	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	180	1.5	ug/kg
LT-C-057-0-2-20140221	480-55157-29	BENZALDEHYDE	3/3/2014		Yes	N	U		U	180	20	ug/kg
LT-C-057-0-2-20140221	480-55157-29	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	180	5.6	ug/kg
LT-C-057-0-2-20140221	480-55157-29	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	180	2.2	ug/kg
LT-C-057-0-2-20140221	480-55157-29	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	180	9.3	ug/kg
LT-C-057-0-2-20140221	480-55157-29	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	180	12	ug/kg
LT-C-057-0-2-20140221	480-55157-29	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	180	45	ug/kg
LT-C-057-0-2-20140221	480-55157-29	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	180	28	ug/kg
LT-C-057-0-2-20140221	480-55157-29	3-NITROANILINE	3/3/2014		Yes	N	U		U	360	42	ug/kg
LT-C-057-0-2-20140221	480-55157-29	PYRENE	3/3/2014	49	Yes	Y	J		J	180	1.2	ug/kg
LT-C-057-0-2-20140221	480-55157-29	FLUORENE	3/3/2014		Yes	N	U		U	180	4.2	ug/kg
LT-C-057-0-2-20140221	480-55157-29	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	180	9.1	ug/kg
LT-C-057-0-2-20140221	480-55157-29	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	180	9.3	ug/kg

SDG: 480551571

Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-057-0-2-20140221	480-55157-29	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	180	55	ug/kg
LT-C-057-0-2-20140221	480-55157-29	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	180	14	ug/kg
LT-C-057-0-2-20140221	480-55157-29	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U		U	180	5.1	ug/kg
LT-C-057-0-2-20140221	480-55157-29	ISOPHORONE	3/3/2014		Yes	N	U		U	180	9.1	ug/kg
LT-C-057-0-2-20140221	480-55157-29	4-NITROPHENOL	3/3/2014		Yes	N	U		U	360	44	ug/kg
LT-C-057-0-2-20140221	480-55157-29	NITROBENZENE	3/3/2014		Yes	N	U		U	180	8.1	ug/kg
LT-C-057-0-2-20140221	480-55157-29	ACENAPHTHENE	3/3/2014		Yes	N	U		U	180	2.1	ug/kg
LT-C-057-0-2-20140221	480-55157-29	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	180	14	ug/kg
LT-C-057-0-2-20140221	480-55157-29	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	180	10	ug/kg
LT-C-057-0-2-20140221	480-55157-29	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	360	63	ug/kg
LT-C-057-0-2-20140221	480-55157-29	PHENANTHRENE	3/3/2014		Yes	N	U		U	180	3.8	ug/kg
LT-C-057-0-2-20140221	480-55157-29	PHENOL	3/3/2014		Yes	N	U		U	180	19	ug/kg
LT-C-057-0-2-20140221	480-55157-29	ANTHRACENE	3/3/2014		Yes	N	U		U	180	4.7	ug/kg
LT-C-057-0-2-20140221	480-55157-29	ACETOPHENONE	3/3/2014		Yes	N	U		U	180	9.4	ug/kg
LT-C-057-0-2-20140221	480-55157-29	2-NITROANILINE	3/3/2014		Yes	N	U		U	360	59	ug/kg
LT-C-057-0-2-20140221	480-55157-29	NAPHTHALENE	3/3/2014		Yes	N	U		U	180	3.0	ug/kg
LT-C-057-0-2-20140221	480-55157-29	ATRAZINE	3/3/2014		Yes	N	U		U	180	8.1	ug/kg
LT-C-057-0-2-20140221	480-55157-29	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	180	160	ug/kg
LT-C-057-2-4-20140221	480-55157-30	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	370	67	ug/kg
LT-C-057-2-4-20140221	480-55157-30	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	190	51	ug/kg
LT-C-057-2-4-20140221	480-55157-30	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	10	ug/kg
LT-C-057-2-4-20140221	480-55157-30	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	13	ug/kg
LT-C-057-2-4-20140221	480-55157-30	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	41	ug/kg
LT-C-057-2-4-20140221	480-55157-30	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	190	4.4	ug/kg
LT-C-057-2-4-20140221	480-55157-30	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	190	13	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-057-2-4-20140221	480-55157-30	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	190	66	ug/kg
LT-C-057-2-4-20140221	480-55157-30	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	190	5.0	ug/kg
LT-C-057-2-4-20140221	480-55157-30	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	190	5.7	ug/kg
LT-C-057-2-4-20140221	480-55157-30	4-NITROPHENOL	3/3/2014		Yes	N	U		U	370	46	ug/kg
LT-C-057-2-4-20140221	480-55157-30	DIBENZOFURAN	3/3/2014		Yes	N	U		U	190	2.0	ug/kg
LT-C-057-2-4-20140221	480-55157-30	DIBENZ(A,H)ANTHRACENE	3/3/2014	90	Yes	Y	J		J	190	2.2	ug/kg
LT-C-057-2-4-20140221	480-55157-30	FLUORANTHENE	3/3/2014	1200	Yes	Y				190	2.8	ug/kg
LT-C-057-2-4-20140221	480-55157-30	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	190	170	ug/kg
LT-C-057-2-4-20140221	480-55157-30	4-NITROANILINE	3/3/2014		Yes	N	U		U	370	21	ug/kg
LT-C-057-2-4-20140221	480-55157-30	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	370	11	ug/kg
LT-C-057-2-4-20140221	480-55157-30	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	190	4.1	ug/kg
LT-C-057-2-4-20140221	480-55157-30	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	190	56	ug/kg
LT-C-057-2-4-20140221	480-55157-30	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	190	7.8	ug/kg
LT-C-057-2-4-20140221	480-55157-30	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	190	60	ug/kg
LT-C-057-2-4-20140221	480-55157-30	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	190	29	ug/kg
LT-C-057-2-4-20140221	480-55157-30	3-NITROANILINE	3/3/2014		Yes	N	U		U	370	44	ug/kg
LT-C-057-2-4-20140221	480-55157-30	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	190	47	ug/kg
LT-C-057-2-4-20140221	480-55157-30	2-NITROPHENOL	3/3/2014		Yes	N	U		U	190	8.7	ug/kg
LT-C-057-2-4-20140221	480-55157-30	2-NITROANILINE	3/3/2014		Yes	N	U		U	370	61	ug/kg
LT-C-057-2-4-20140221	480-55157-30	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	190	5.8	ug/kg
LT-C-057-2-4-20140221	480-55157-30	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	190	2.3	ug/kg
LT-C-057-2-4-20140221	480-55157-30	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	190	9.7	ug/kg
LT-C-057-2-4-20140221	480-55157-30	CAPROLACTAM	3/3/2014		Yes	N	U		U	190	82	ug/kg
LT-C-057-2-4-20140221	480-55157-30	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	370	66	ug/kg
LT-C-057-2-4-20140221	480-55157-30	BENZO(A)ANTHRACENE	3/3/2014	580	Yes	Y				190	3.3	ug/kg

SDG: 480551571

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-057-2-4-20140221	480-55157-30	CHRYSENE	3/3/2014	690	Yes	Y				190	1.9	ug/kg
LT-C-057-2-4-20140221	480-55157-30	INDENO(1,2,3-C,D)PYRENE	3/3/2014	380	Yes	Y				190	5.3	ug/kg
LT-C-057-2-4-20140221	480-55157-30	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	190	15	ug/kg
LT-C-057-2-4-20140221	480-55157-30	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	190	57	ug/kg
LT-C-057-2-4-20140221	480-55157-30	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	190	9.7	ug/kg
LT-C-057-2-4-20140221	480-55157-30	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	190	9.4	ug/kg
LT-C-057-2-4-20140221	480-55157-30	NAPHTHALENE	3/3/2014		Yes	N	U		U	190	3.2	ug/kg
LT-C-057-2-4-20140221	480-55157-30	BENZO(A)PYRENE	3/3/2014	530	Yes	Y				190	4.6	ug/kg
LT-C-057-2-4-20140221	480-55157-30	NITROBENZENE	3/3/2014		Yes	N	U		U	190	8.4	ug/kg
LT-C-057-2-4-20140221	480-55157-30	BENZALDEHYDE	3/3/2014		Yes	N	U		U	190	21	ug/kg
LT-C-057-2-4-20140221	480-55157-30	ACENAPHTHENE	3/3/2014	92	Yes	Y	J		J	190	2.2	ug/kg
LT-C-057-2-4-20140221	480-55157-30	ACENAPHTHYLENE	3/3/2014	32	Yes	Y	J		J	190	1.6	ug/kg
LT-C-057-2-4-20140221	480-55157-30	ACETOPHENONE	3/3/2014		Yes	N	U		U	190	9.8	ug/kg
LT-C-057-2-4-20140221	480-55157-30	PYRENE	3/3/2014	2100	Yes	Y				190	1.2	ug/kg
LT-C-057-2-4-20140221	480-55157-30	ANTHRACENE	3/3/2014	72	Yes	Y	J		J	190	4.9	ug/kg
LT-C-057-2-4-20140221	480-55157-30	FLUORENE	3/3/2014	12	Yes	Y	J		J	190	4.4	ug/kg
LT-C-057-2-4-20140221	480-55157-30	BENZO(G,H,I)PERYLENE	3/3/2014	370	Yes	Y				190	2.3	ug/kg
LT-C-057-2-4-20140221	480-55157-30	ATRAZINE	3/3/2014		Yes	N	U		U	190	8.5	ug/kg
LT-C-057-2-4-20140221	480-55157-30	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	190	61	ug/kg
LT-C-057-2-4-20140221	480-55157-30	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	190	20	ug/kg
LT-C-057-2-4-20140221	480-55157-30	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	190	16	ug/kg
LT-C-057-2-4-20140221	480-55157-30	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	190	10	ug/kg
LT-C-057-2-4-20140221	480-55157-30	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	190	12	ug/kg
LT-C-057-2-4-20140221	480-55157-30	ISOPHORONE	3/3/2014		Yes	N	U		U	190	9.5	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-057-2-4-20140221	480-55157-30	BENZO(K)FLUORANTHENE	3/3/2014	330	Yes	Y				190	2.1	ug/kg
LT-C-057-2-4-20140221	480-55157-30	CARBAZOLE	3/3/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-057-2-4-20140221	480-55157-30	BENZO(B)FLUORANTHENE	3/3/2014	660	Yes	Y				190	3.7	ug/kg
LT-C-057-2-4-20140221	480-55157-30	PHENOL	3/3/2014		Yes	N	U		U	190	20	ug/kg
LT-C-057-2-4-20140221	480-55157-30	PHENANTHRENE	3/3/2014	1200	Yes	Y				190	4.0	ug/kg
LT-C-057-2-4-20140221	480-55157-30	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	370	65	ug/kg
LT-C-057-2-4-20140221	480-55157-30	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	190	10	ug/kg
LT-C-057-2-4-20140221	480-55157-30	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	190	15	ug/kg
LT-C-057-2-4-20140221	480-55157-30	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	190	51	ug/kg
LT-C-057-6-8-20140221	480-55157-31	CAPROLACTAM	3/3/2014		Yes	N	U		U	190	81	ug/kg
LT-C-057-6-8-20140221	480-55157-31	BENZO(K)FLUORANTHENE	3/3/2014	200	Yes	Y				190	2.1	ug/kg
LT-C-057-6-8-20140221	480-55157-31	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	190	4.4	ug/kg
LT-C-057-6-8-20140221	480-55157-31	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	190	4.9	ug/kg
LT-C-057-6-8-20140221	480-55157-31	DIBENZOFURAN	3/3/2014		Yes	N	U		U	190	1.9	ug/kg
LT-C-057-6-8-20140221	480-55157-31	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-057-6-8-20140221	480-55157-31	FLUORENE	3/3/2014		Yes	N	U		U	190	4.3	ug/kg
LT-C-057-6-8-20140221	480-55157-31	CARBAZOLE	3/3/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-057-6-8-20140221	480-55157-31	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	190	9.3	ug/kg
LT-C-057-6-8-20140221	480-55157-31	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	190	60	ug/kg
LT-C-057-6-8-20140221	480-55157-31	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	190	20	ug/kg
LT-C-057-6-8-20140221	480-55157-31	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	190	16	ug/kg
LT-C-057-6-8-20140221	480-55157-31	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	190	10	ug/kg
LT-C-057-6-8-20140221	480-55157-31	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	190	12	ug/kg
LT-C-057-6-8-20140221	480-55157-31	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	190	50	ug/kg

SDG: 480551571

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-057-6-8-20140221	480-55157-31	CHRYSENE	3/3/2014	380	Yes	Y				190	1.9	ug/kg
LT-C-057-6-8-20140221	480-55157-31	NITROBENZENE	3/3/2014		Yes	N	U		U	190	8.3	ug/kg
LT-C-057-6-8-20140221	480-55157-31	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	190	13	ug/kg
LT-C-057-6-8-20140221	480-55157-31	PYRENE	3/3/2014	1000	Yes	Y				190	1.2	ug/kg
LT-C-057-6-8-20140221	480-55157-31	PHENOL	3/3/2014		Yes	N	U		U	190	20	ug/kg
LT-C-057-6-8-20140221	480-55157-31	PHENANTHRENE	3/3/2014	66	Yes	Y	J		J	190	3.9	ug/kg
LT-C-057-6-8-20140221	480-55157-31	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	370	64	ug/kg
LT-C-057-6-8-20140221	480-55157-31	FLUORANTHENE	3/3/2014	390	Yes	Y				190	2.7	ug/kg
LT-C-057-6-8-20140221	480-55157-31	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	190	15	ug/kg
LT-C-057-6-8-20140221	480-55157-31	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	190	5.7	ug/kg
LT-C-057-6-8-20140221	480-55157-31	NAPHTHALENE	3/3/2014		Yes	N	U		U	190	3.1	ug/kg
LT-C-057-6-8-20140221	480-55157-31	ISOPHORONE	3/3/2014		Yes	N	U		U	190	9.4	ug/kg
LT-C-057-6-8-20140221	480-55157-31	INDENO(1,2,3-C,D)PYRENE	3/3/2014	190	Yes	Y				190	5.2	ug/kg
LT-C-057-6-8-20140221	480-55157-31	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	190	14	ug/kg
LT-C-057-6-8-20140221	480-55157-31	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	190	57	ug/kg
LT-C-057-6-8-20140221	480-55157-31	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	190	9.6	ug/kg
LT-C-057-6-8-20140221	480-55157-31	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	190	10	ug/kg
LT-C-057-6-8-20140221	480-55157-31	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	190	46	ug/kg
LT-C-057-6-8-20140221	480-55157-31	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	370	65	ug/kg
LT-C-057-6-8-20140221	480-55157-31	3-NITROANILINE	3/3/2014		Yes	N	U		U	370	43	ug/kg
LT-C-057-6-8-20140221	480-55157-31	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	190	160	ug/kg
LT-C-057-6-8-20140221	480-55157-31	2-NITROPHENOL	3/3/2014		Yes	N	U		U	190	8.6	ug/kg
LT-C-057-6-8-20140221	480-55157-31	2-NITROANILINE	3/3/2014		Yes	N	U		U	370	60	ug/kg
LT-C-057-6-8-20140221	480-55157-31	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	190	5.8	ug/kg
LT-C-057-6-8-20140221	480-55157-31	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	190	60	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-057-6-8-20140221	480-55157-31	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	190	9.5	ug/kg
LT-C-057-6-8-20140221	480-55157-31	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	370	65	ug/kg
LT-C-057-6-8-20140221	480-55157-31	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	190	29	ug/kg
LT-C-057-6-8-20140221	480-55157-31	BENZO(G,H,I)PERYLENE	3/3/2014	220	Yes	Y				190	2.2	ug/kg
LT-C-057-6-8-20140221	480-55157-31	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	190	51	ug/kg
LT-C-057-6-8-20140221	480-55157-31	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	190	65	ug/kg
LT-C-057-6-8-20140221	480-55157-31	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	12	ug/kg
LT-C-057-6-8-20140221	480-55157-31	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	41	ug/kg
LT-C-057-6-8-20140221	480-55157-31	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	190	2.3	ug/kg
LT-C-057-6-8-20140221	480-55157-31	BENZALDEHYDE	3/3/2014		Yes	N	U		U	190	21	ug/kg
LT-C-057-6-8-20140221	480-55157-31	BENZO(B)FLUORANTHENE	3/3/2014	330	Yes	Y				190	3.6	ug/kg
LT-C-057-6-8-20140221	480-55157-31	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	9.8	ug/kg
LT-C-057-6-8-20140221	480-55157-31	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	190	7.7	ug/kg
LT-C-057-6-8-20140221	480-55157-31	BENZO(A)ANTHRACENE	3/3/2014	330	Yes	Y				190	3.2	ug/kg
LT-C-057-6-8-20140221	480-55157-31	ATRAZINE	3/3/2014		Yes	N	U		U	190	8.3	ug/kg
LT-C-057-6-8-20140221	480-55157-31	ANTHRACENE	3/3/2014		Yes	N	U		U	190	4.8	ug/kg
LT-C-057-6-8-20140221	480-55157-31	ACETOPHENONE	3/3/2014		Yes	N	U		U	190	9.6	ug/kg
LT-C-057-6-8-20140221	480-55157-31	ACENAPHTHYLENE	3/3/2014	56	Yes	Y	J		J	190	1.5	ug/kg
LT-C-057-6-8-20140221	480-55157-31	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	190	4.0	ug/kg
LT-C-057-6-8-20140221	480-55157-31	4-NITROPHENOL	3/3/2014		Yes	N	U		U	370	45	ug/kg
LT-C-057-6-8-20140221	480-55157-31	4-NITROANILINE	3/3/2014		Yes	N	U		U	370	21	ug/kg
LT-C-057-6-8-20140221	480-55157-31	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	370	10	ug/kg
LT-C-057-6-8-20140221	480-55157-31	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	190	55	ug/kg
LT-C-057-6-8-20140221	480-55157-31	ACENAPHTHENE	3/3/2014	41	Yes	Y	J		J	190	2.2	ug/kg
LT-C-057-6-8-20140221	480-55157-31	BENZO(A)PYRENE	3/3/2014	320	Yes	Y				190	4.5	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-026-0-2-20140221	480-55157-18	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	4000	710	ug/kg
LT-G-026-0-2-20140221	480-55157-18	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	2100	84	ug/kg
LT-G-026-0-2-20140221	480-55157-18	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	2100	600	ug/kg
LT-G-026-0-2-20140221	480-55157-18	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	2100	44	ug/kg
LT-G-026-0-2-20140221	480-55157-18	ANTHRACENE	3/3/2014	200	Yes	Y	J		J	2100	52	ug/kg
LT-G-026-0-2-20140221	480-55157-18	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	4000	110	ug/kg
LT-G-026-0-2-20140221	480-55157-18	4-NITROPHENOL	3/3/2014		Yes	N	U		U	4000	500	ug/kg
LT-G-026-0-2-20140221	480-55157-18	ACENAPHTHENE	3/3/2014	850	Yes	Y	J		J	2100	24	ug/kg
LT-G-026-0-2-20140221	480-55157-18	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	2100	17	ug/kg
LT-G-026-0-2-20140221	480-55157-18	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	2100	1800	ug/kg
LT-G-026-0-2-20140221	480-55157-18	ACETOPHENONE	3/3/2014		Yes	N	U		U	2100	110	ug/kg
LT-G-026-0-2-20140221	480-55157-18	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	4000	720	ug/kg
LT-G-026-0-2-20140221	480-55157-18	4-NITROANILINE	3/3/2014		Yes	N	U		U	4000	230	ug/kg
LT-G-026-0-2-20140221	480-55157-18	2-NITROPHENOL	3/3/2014		Yes	N	U		U	2100	94	ug/kg
LT-G-026-0-2-20140221	480-55157-18	2-NITROANILINE	3/3/2014		Yes	N	U		U	4000	660	ug/kg
LT-G-026-0-2-20140221	480-55157-18	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	2100	63	ug/kg
LT-G-026-0-2-20140221	480-55157-18	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	2100	25	ug/kg
LT-G-026-0-2-20140221	480-55157-18	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	2100	100	ug/kg
LT-G-026-0-2-20140221	480-55157-18	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	2100	140	ug/kg
LT-G-026-0-2-20140221	480-55157-18	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	2100	320	ug/kg
LT-G-026-0-2-20140221	480-55157-18	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	2100	550	ug/kg
LT-G-026-0-2-20140221	480-55157-18	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	2100	110	ug/kg
LT-G-026-0-2-20140221	480-55157-18	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	2100	140	ug/kg
LT-G-026-0-2-20140221	480-55157-18	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	2100	450	ug/kg
LT-G-026-0-2-20140221	480-55157-18	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	2100	650	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-026-0-2-20140221	480-55157-18	ATRAZINE	3/3/2014		Yes	N	U		U	2100	91	ug/kg
LT-G-026-0-2-20140221	480-55157-18	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	2100	500	ug/kg
LT-G-026-0-2-20140221	480-55157-18	NITROBENZENE	3/3/2014		Yes	N	U		U	2100	91	ug/kg
LT-G-026-0-2-20140221	480-55157-18	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	2100	710	ug/kg
LT-G-026-0-2-20140221	480-55157-18	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	2100	48	ug/kg
LT-G-026-0-2-20140221	480-55157-18	FLUORANTHENE	3/3/2014	1100	Yes	Y	J		J	2100	30	ug/kg
LT-G-026-0-2-20140221	480-55157-18	FLUORENE	3/3/2014	88	Yes	Y	J		J	2100	47	ug/kg
LT-G-026-0-2-20140221	480-55157-18	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	2100	100	ug/kg
LT-G-026-0-2-20140221	480-55157-18	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	2100	620	ug/kg
LT-G-026-0-2-20140221	480-55157-18	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U		U	2100	57	ug/kg
LT-G-026-0-2-20140221	480-55157-18	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	2100	53	ug/kg
LT-G-026-0-2-20140221	480-55157-18	NAPHTHALENE	3/3/2014	35	Yes	Y	J		J	2100	34	ug/kg
LT-G-026-0-2-20140221	480-55157-18	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	2100	100	ug/kg
LT-G-026-0-2-20140221	480-55157-18	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	2100	160	ug/kg
LT-G-026-0-2-20140221	480-55157-18	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	2100	110	ug/kg
LT-G-026-0-2-20140221	480-55157-18	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	4000	700	ug/kg
LT-G-026-0-2-20140221	480-55157-18	PHENANTHRENE	3/3/2014	590	Yes	Y	J		J	2100	43	ug/kg
LT-G-026-0-2-20140221	480-55157-18	PHENOL	3/3/2014		Yes	N	U		U	2100	220	ug/kg
LT-G-026-0-2-20140221	480-55157-18	PYRENE	3/3/2014	1900	Yes	Y	J		J	2100	13	ug/kg
LT-G-026-0-2-20140221	480-55157-18	BENZALDEHYDE	3/3/2014		Yes	N	U		U	2100	220	ug/kg
LT-G-026-0-2-20140221	480-55157-18	3-NITROANILINE	3/3/2014		Yes	N	U		U	4000	470	ug/kg
LT-G-026-0-2-20140221	480-55157-18	ISOPHORONE	3/3/2014		Yes	N	U		U	2100	100	ug/kg
LT-G-026-0-2-20140221	480-55157-18	BENZO(K)FLUORANTHENE	3/3/2014		Yes	N	U		U	2100	23	ug/kg
LT-G-026-0-2-20140221	480-55157-18	BENZO(A)ANTHRACENE	3/3/2014	640	Yes	Y	J		J	2100	35	ug/kg
LT-G-026-0-2-20140221	480-55157-18	BENZO(A)PYRENE	3/3/2014	590	Yes	Y	J		J	2100	49	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-026-0-2-20140221	480-55157-18	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	2100	160	ug/kg
LT-G-026-0-2-20140221	480-55157-18	BENZO(G,H,I)PERYLENE	3/3/2014	410	Yes	Y	J		J	2100	25	ug/kg
LT-G-026-0-2-20140221	480-55157-18	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	2100	550	ug/kg
LT-G-026-0-2-20140221	480-55157-18	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	2100	130	ug/kg
LT-G-026-0-2-20140221	480-55157-18	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	2100	110	ug/kg
LT-G-026-0-2-20140221	480-55157-18	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	2100	180	ug/kg
LT-G-026-0-2-20140221	480-55157-18	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	2100	210	ug/kg
LT-G-026-0-2-20140221	480-55157-18	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	2100	660	ug/kg
LT-G-026-0-2-20140221	480-55157-18	CAPROLACTAM	3/3/2014		Yes	N	U		U	2100	890	ug/kg
LT-G-026-0-2-20140221	480-55157-18	CARBAZOLE	3/3/2014		Yes	N	U		U	2100	24	ug/kg
LT-G-026-0-2-20140221	480-55157-18	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	2100	24	ug/kg
LT-G-026-0-2-20140221	480-55157-18	CHRYSENE	3/3/2014	780	Yes	Y	J		J	2100	20	ug/kg
LT-G-026-0-2-20140221	480-55157-18	DIBENZOFURAN	3/3/2014		Yes	N	U		U	2100	21	ug/kg
LT-G-026-0-2-20140221	480-55157-18	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	2100	62	ug/kg
LT-G-026-0-2-20140221	480-55157-18	BENZO(B)FLUORANTHENE	3/3/2014		Yes	N	U		U	2100	40	ug/kg
LT-G-026-4-6-20140221	480-55157-19	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	190	4.3	ug/kg
LT-G-026-4-6-20140221	480-55157-19	CARBAZOLE	3/3/2014		Yes	N	U		U	190	2.1	ug/kg
LT-G-026-4-6-20140221	480-55157-19	CHRYSENE	3/3/2014		Yes	N	U		U	190	1.9	ug/kg
LT-G-026-4-6-20140221	480-55157-19	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-026-4-6-20140221	480-55157-19	ATRAZINE	3/3/2014		Yes	N	U		U	190	8.2	ug/kg
LT-G-026-4-6-20140221	480-55157-19	DIBENZOFURAN	3/3/2014		Yes	N	U		U	190	1.9	ug/kg
LT-G-026-4-6-20140221	480-55157-19	ANTHRACENE	3/3/2014		Yes	N	U		U	190	4.7	ug/kg
LT-G-026-4-6-20140221	480-55157-19	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	190	5.6	ug/kg
LT-G-026-4-6-20140221	480-55157-19	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	190	64	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-026-4-6-20140221	480-55157-19	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	190	16	ug/kg
LT-G-026-4-6-20140221	480-55157-19	FLUORANTHENE	3/3/2014		Yes	N	U		U	190	2.7	ug/kg
LT-G-026-4-6-20140221	480-55157-19	FLUORENE	3/3/2014		Yes	N	U		U	190	4.3	ug/kg
LT-G-026-4-6-20140221	480-55157-19	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	190	9.2	ug/kg
LT-G-026-4-6-20140221	480-55157-19	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	190	9.5	ug/kg
LT-G-026-4-6-20140221	480-55157-19	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	190	56	ug/kg
LT-G-026-4-6-20140221	480-55157-19	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	190	4.8	ug/kg
LT-G-026-4-6-20140221	480-55157-19	BENZO(A)ANTHRACENE	3/3/2014		Yes	N	U		U	190	3.2	ug/kg
LT-G-026-4-6-20140221	480-55157-19	2-NITROPHENOL	3/3/2014		Yes	N	U		U	190	8.5	ug/kg
LT-G-026-4-6-20140221	480-55157-19	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	190	14	ug/kg
LT-G-026-4-6-20140221	480-55157-19	ACENAPHTHENE	3/3/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-026-4-6-20140221	480-55157-19	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	190	1.5	ug/kg
LT-G-026-4-6-20140221	480-55157-19	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-026-4-6-20140221	480-55157-19	BENZO(B)FLUORANTHENE	3/3/2014		Yes	N	U		U	190	3.6	ug/kg
LT-G-026-4-6-20140221	480-55157-19	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	190	60	ug/kg
LT-G-026-4-6-20140221	480-55157-19	ACETOPHENONE	3/3/2014		Yes	N	U		U	190	9.5	ug/kg
LT-G-026-4-6-20140221	480-55157-19	CAPROLACTAM	3/3/2014		Yes	N	U		U	190	80	ug/kg
LT-G-026-4-6-20140221	480-55157-19	BENZALDEHYDE	3/3/2014		Yes	N	U		U	190	20	ug/kg
LT-G-026-4-6-20140221	480-55157-19	BENZO(K)FLUORANTHENE	3/3/2014		Yes	N	U		U	190	2.0	ug/kg
LT-G-026-4-6-20140221	480-55157-19	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	190	50	ug/kg
LT-G-026-4-6-20140221	480-55157-19	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	190	12	ug/kg
LT-G-026-4-6-20140221	480-55157-19	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	190	10	ug/kg
LT-G-026-4-6-20140221	480-55157-19	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	190	19	ug/kg
LT-G-026-4-6-20140221	480-55157-19	BENZO(A)PYRENE	3/3/2014		Yes	N	U		U	190	4.5	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-026-4-6-20140221	480-55157-19	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	360	63	ug/kg
LT-G-026-4-6-20140221	480-55157-19	3-NITROANILINE	3/3/2014		Yes	N	U		U	360	43	ug/kg
LT-G-026-4-6-20140221	480-55157-19	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	190	5.7	ug/kg
LT-G-026-4-6-20140221	480-55157-19	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	12	ug/kg
LT-G-026-4-6-20140221	480-55157-19	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	40	ug/kg
LT-G-026-4-6-20140221	480-55157-19	PYRENE	3/3/2014		Yes	N	U		U	190	1.2	ug/kg
LT-G-026-4-6-20140221	480-55157-19	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	190	160	ug/kg
LT-G-026-4-6-20140221	480-55157-19	PHENANTHRENE	3/3/2014		Yes	N	U		U	190	3.9	ug/kg
LT-G-026-4-6-20140221	480-55157-19	4-NITROPHENOL	3/3/2014		Yes	N	U		U	360	45	ug/kg
LT-G-026-4-6-20140221	480-55157-19	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	190	10	ug/kg
LT-G-026-4-6-20140221	480-55157-19	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	190	15	ug/kg
LT-G-026-4-6-20140221	480-55157-19	NITROBENZENE	3/3/2014		Yes	N	U		U	190	8.2	ug/kg
LT-G-026-4-6-20140221	480-55157-19	NAPHTHALENE	3/3/2014		Yes	N	U		U	190	3.1	ug/kg
LT-G-026-4-6-20140221	480-55157-19	ISOPHORONE	3/3/2014		Yes	N	U		U	190	9.3	ug/kg
LT-G-026-4-6-20140221	480-55157-19	2-NITROANILINE	3/3/2014		Yes	N	U		U	360	59	ug/kg
LT-G-026-4-6-20140221	480-55157-19	PHENOL	3/3/2014		Yes	N	U		U	190	19	ug/kg
LT-G-026-4-6-20140221	480-55157-19	4-NITROANILINE	3/3/2014		Yes	N	U		U	360	21	ug/kg
LT-G-026-4-6-20140221	480-55157-19	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-026-4-6-20140221	480-55157-19	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	190	9.4	ug/kg
LT-G-026-4-6-20140221	480-55157-19	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	190	12	ug/kg
LT-G-026-4-6-20140221	480-55157-19	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	190	45	ug/kg
LT-G-026-4-6-20140221	480-55157-19	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	190	29	ug/kg
LT-G-026-4-6-20140221	480-55157-19	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	360	65	ug/kg
LT-G-026-4-6-20140221	480-55157-19	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	9.7	ug/kg
LT-G-026-4-6-20140221	480-55157-19	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U		U	190	5.1	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-026-4-6-20140221	480-55157-19	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	360	10	ug/kg
LT-G-026-4-6-20140221	480-55157-19	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	190	3.9	ug/kg
LT-G-026-4-6-20140221	480-55157-19	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	190	54	ug/kg
LT-G-026-4-6-20140221	480-55157-19	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	190	7.6	ug/kg
LT-G-026-4-6-20140221	480-55157-19	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	190	59	ug/kg
LT-G-026-4-6-20140221	480-55157-19	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	360	64	ug/kg
LT-G-026-4-6-20140221	480-55157-19	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	190	50	ug/kg
LT-G-026-6-8-20140221	480-55157-20	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	190	2.3	ug/kg
LT-G-026-6-8-20140221	480-55157-20	3-NITROANILINE	3/3/2014		Yes	N	U		U	370	44	ug/kg
LT-G-026-6-8-20140221	480-55157-20	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	190	170	ug/kg
LT-G-026-6-8-20140221	480-55157-20	2-NITROPHENOL	3/3/2014		Yes	N	U		U	190	8.7	ug/kg
LT-G-026-6-8-20140221	480-55157-20	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	190	5.9	ug/kg
LT-G-026-6-8-20140221	480-55157-20	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	190	9.7	ug/kg
LT-G-026-6-8-20140221	480-55157-20	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	190	13	ug/kg
LT-G-026-6-8-20140221	480-55157-20	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	190	47	ug/kg
LT-G-026-6-8-20140221	480-55157-20	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	190	30	ug/kg
LT-G-026-6-8-20140221	480-55157-20	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	370	67	ug/kg
LT-G-026-6-8-20140221	480-55157-20	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	190	52	ug/kg
LT-G-026-6-8-20140221	480-55157-20	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	10	ug/kg
LT-G-026-6-8-20140221	480-55157-20	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	13	ug/kg
LT-G-026-6-8-20140221	480-55157-20	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	42	ug/kg
LT-G-026-6-8-20140221	480-55157-20	2-NITROANILINE	3/3/2014		Yes	N	U		U	370	61	ug/kg
LT-G-026-6-8-20140221	480-55157-20	ATRAZINE	3/3/2014		Yes	N	U		U	190	8.5	ug/kg
LT-G-026-6-8-20140221	480-55157-20	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	190	62	ug/kg
LT-G-026-6-8-20140221	480-55157-20	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	190	20	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-026-6-8-20140221	480-55157-20	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	190	16	ug/kg
LT-G-026-6-8-20140221	480-55157-20	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	190	10	ug/kg
LT-G-026-6-8-20140221	480-55157-20	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	190	12	ug/kg
LT-G-026-6-8-20140221	480-55157-20	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	190	51	ug/kg
LT-G-026-6-8-20140221	480-55157-20	BENZO(K)FLUORANTHENE	3/3/2014		Yes	N	U		U	190	2.1	ug/kg
LT-G-026-6-8-20140221	480-55157-20	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U		U	190	2.3	ug/kg
LT-G-026-6-8-20140221	480-55157-20	BENZO(B)FLUORANTHENE	3/3/2014		Yes	N	U		U	190	3.7	ug/kg
LT-G-026-6-8-20140221	480-55157-20	BENZO(A)PYRENE	3/3/2014		Yes	N	U		U	190	4.6	ug/kg
LT-G-026-6-8-20140221	480-55157-20	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	370	66	ug/kg
LT-G-026-6-8-20140221	480-55157-20	BENZALDEHYDE	3/3/2014		Yes	N	U		U	190	21	ug/kg
LT-G-026-6-8-20140221	480-55157-20	CHRYSENE	3/3/2014		Yes	N	U		U	190	1.9	ug/kg
LT-G-026-6-8-20140221	480-55157-20	ANTHRACENE	3/3/2014		Yes	N	U		U	190	4.9	ug/kg
LT-G-026-6-8-20140221	480-55157-20	ACETOPHENONE	3/3/2014		Yes	N	U		U	190	9.8	ug/kg
LT-G-026-6-8-20140221	480-55157-20	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	190	1.6	ug/kg
LT-G-026-6-8-20140221	480-55157-20	ACENAPHTHENE	3/3/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-026-6-8-20140221	480-55157-20	4-NITROPHENOL	3/3/2014		Yes	N	U		U	370	46	ug/kg
LT-G-026-6-8-20140221	480-55157-20	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	370	11	ug/kg
LT-G-026-6-8-20140221	480-55157-20	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	190	56	ug/kg
LT-G-026-6-8-20140221	480-55157-20	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	190	7.9	ug/kg
LT-G-026-6-8-20140221	480-55157-20	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	190	61	ug/kg
LT-G-026-6-8-20140221	480-55157-20	BENZO(A)ANTHRACENE	3/3/2014		Yes	N	U		U	190	3.3	ug/kg
LT-G-026-6-8-20140221	480-55157-20	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	190	9.8	ug/kg
LT-G-026-6-8-20140221	480-55157-20	PYRENE	3/3/2014		Yes	N	U		U	190	1.2	ug/kg
LT-G-026-6-8-20140221	480-55157-20	PHENOL	3/3/2014		Yes	N	U		U	190	20	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-026-6-8-20140221	480-55157-20	PHENANTHRENE	3/3/2014		Yes	N	U		U	190	4.0	ug/kg
LT-G-026-6-8-20140221	480-55157-20	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	370	66	ug/kg
LT-G-026-6-8-20140221	480-55157-20	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	190	10	ug/kg
LT-G-026-6-8-20140221	480-55157-20	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	190	15	ug/kg
LT-G-026-6-8-20140221	480-55157-20	NITROBENZENE	3/3/2014		Yes	N	U		U	190	8.5	ug/kg
LT-G-026-6-8-20140221	480-55157-20	NAPHTHALENE	3/3/2014		Yes	N	U		U	190	3.2	ug/kg
LT-G-026-6-8-20140221	480-55157-20	ISOPHORONE	3/3/2014		Yes	N	U		U	190	9.5	ug/kg
LT-G-026-6-8-20140221	480-55157-20	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U		U	190	5.3	ug/kg
LT-G-026-6-8-20140221	480-55157-20	CAPROLACTAM	3/3/2014		Yes	N	U		U	190	83	ug/kg
LT-G-026-6-8-20140221	480-55157-20	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	190	58	ug/kg
LT-G-026-6-8-20140221	480-55157-20	CARBAZOLE	3/3/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-026-6-8-20140221	480-55157-20	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	190	9.5	ug/kg
LT-G-026-6-8-20140221	480-55157-20	FLUORENE	3/3/2014		Yes	N	U		U	190	4.4	ug/kg
LT-G-026-6-8-20140221	480-55157-20	FLUORANTHENE	3/3/2014		Yes	N	U		U	190	2.8	ug/kg
LT-G-026-6-8-20140221	480-55157-20	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	190	4.5	ug/kg
LT-G-026-6-8-20140221	480-55157-20	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	190	66	ug/kg
LT-G-026-6-8-20140221	480-55157-20	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	190	5.0	ug/kg
LT-G-026-6-8-20140221	480-55157-20	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	190	5.8	ug/kg
LT-G-026-6-8-20140221	480-55157-20	DIBENZOFURAN	3/3/2014		Yes	N	U		U	190	2.0	ug/kg
LT-G-026-6-8-20140221	480-55157-20	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-026-6-8-20140221	480-55157-20	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	190	4.1	ug/kg
LT-G-026-6-8-20140221	480-55157-20	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	190	15	ug/kg
LT-G-026-6-8-20140221	480-55157-20	4-NITROANILINE	3/3/2014		Yes	N	U		U	370	21	ug/kg
LT-G-027-0-2-20140221	480-55157-21	3,3'-DICHLOBENZIDINE	3/3/2014		Yes	N	U		U	200	170	ug/kg
LT-G-027-0-2-20140221	480-55157-21	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	13	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-027-0-2-20140221	480-55157-21	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	10	ug/kg
LT-G-027-0-2-20140221	480-55157-21	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	200	53	ug/kg
LT-G-027-0-2-20140221	480-55157-21	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	380	69	ug/kg
LT-G-027-0-2-20140221	480-55157-21	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	200	30	ug/kg
LT-G-027-0-2-20140221	480-55157-21	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	200	48	ug/kg
LT-G-027-0-2-20140221	480-55157-21	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	200	13	ug/kg
LT-G-027-0-2-20140221	480-55157-21	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	200	10	ug/kg
LT-G-027-0-2-20140221	480-55157-21	2-METHYLNAPHTHALENE	3/3/2014	16	Yes	Y	J		J	200	2.4	ug/kg
LT-G-027-0-2-20140221	480-55157-21	BENZO(A)PYRENE	3/3/2014	130	Yes	Y	J		J	200	4.7	ug/kg
LT-G-027-0-2-20140221	480-55157-21	2-NITROANILINE	3/3/2014		Yes	N	U		U	380	63	ug/kg
LT-G-027-0-2-20140221	480-55157-21	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	380	67	ug/kg
LT-G-027-0-2-20140221	480-55157-21	3-NITROANILINE	3/3/2014		Yes	N	U		U	380	45	ug/kg
LT-G-027-0-2-20140221	480-55157-21	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	380	68	ug/kg
LT-G-027-0-2-20140221	480-55157-21	PHENOL	3/3/2014		Yes	N	U		U	200	21	ug/kg
LT-G-027-0-2-20140221	480-55157-21	PYRENE	3/3/2014	300	Yes	Y				200	1.3	ug/kg
LT-G-027-0-2-20140221	480-55157-21	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	200	53	ug/kg
LT-G-027-0-2-20140221	480-55157-21	BENZO(K)FLUORANTHENE	3/3/2014	58	Yes	Y	J		J	200	2.2	ug/kg
LT-G-027-0-2-20140221	480-55157-21	BENZO(G,H,I)PERYLENE	3/3/2014	100	Yes	Y	J		J	200	2.4	ug/kg
LT-G-027-0-2-20140221	480-55157-21	BENZO(B)FLUORANTHENE	3/3/2014	170	Yes	Y	J		J	200	3.8	ug/kg
LT-G-027-0-2-20140221	480-55157-21	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	200	2.3	ug/kg
LT-G-027-0-2-20140221	480-55157-21	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	200	15	ug/kg
LT-G-027-0-2-20140221	480-55157-21	DIBENZOFURAN	3/3/2014	13	Yes	Y	J		J	200	2.0	ug/kg
LT-G-027-0-2-20140221	480-55157-21	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	200	5.9	ug/kg
LT-G-027-0-2-20140221	480-55157-21	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	200	5.1	ug/kg
LT-G-027-0-2-20140221	480-55157-21	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	200	68	ug/kg

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Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-027-0-2-20140221	480-55157-21	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	200	4.6	ug/kg
LT-G-027-0-2-20140221	480-55157-21	FLUORANTHENE	3/3/2014	180	Yes	Y	J		J	200	2.8	ug/kg
LT-G-027-0-2-20140221	480-55157-21	FLUORENE	3/3/2014	23	Yes	Y	J		J	200	4.5	ug/kg
LT-G-027-0-2-20140221	480-55157-21	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	200	9.8	ug/kg
LT-G-027-0-2-20140221	480-55157-21	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	200	43	ug/kg
LT-G-027-0-2-20140221	480-55157-21	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	200	59	ug/kg
LT-G-027-0-2-20140221	480-55157-21	PHENANTHRENE	3/3/2014	190	Yes	Y	J		J	200	4.1	ug/kg
LT-G-027-0-2-20140221	480-55157-21	INDENO(1,2,3-C,D)PYRENE	3/3/2014	100	Yes	Y	J		J	200	5.4	ug/kg
LT-G-027-0-2-20140221	480-55157-21	ISOPHORONE	3/3/2014		Yes	N	U		U	200	9.8	ug/kg
LT-G-027-0-2-20140221	480-55157-21	NAPHTHALENE	3/3/2014	27	Yes	Y	J		J	200	3.3	ug/kg
LT-G-027-0-2-20140221	480-55157-21	CHRYSENE	3/3/2014	150	Yes	Y	J		J	200	2.0	ug/kg
LT-G-027-0-2-20140221	480-55157-21	NITROBENZENE	3/3/2014		Yes	N	U		U	200	8.7	ug/kg
LT-G-027-0-2-20140221	480-55157-21	CARBAZOLE	3/3/2014	14	Yes	Y	J		J	200	2.3	ug/kg
LT-G-027-0-2-20140221	480-55157-21	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	200	16	ug/kg
LT-G-027-0-2-20140221	480-55157-21	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	200	11	ug/kg
LT-G-027-0-2-20140221	480-55157-21	2-NITROPHENOL	3/3/2014		Yes	N	U		U	200	9.0	ug/kg
LT-G-027-0-2-20140221	480-55157-21	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	200	10	ug/kg
LT-G-027-0-2-20140221	480-55157-21	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	200	58	ug/kg
LT-G-027-0-2-20140221	480-55157-21	BENZO(A)ANTHRACENE	3/3/2014	140	Yes	Y	J		J	200	3.4	ug/kg
LT-G-027-0-2-20140221	480-55157-21	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	200	6.0	ug/kg
LT-G-027-0-2-20140221	480-55157-21	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	200	11	ug/kg
LT-G-027-0-2-20140221	480-55157-21	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	200	12	ug/kg
LT-G-027-0-2-20140221	480-55157-21	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	200	8.1	ug/kg
LT-G-027-0-2-20140221	480-55157-21	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	200	17	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-027-0-2-20140221	480-55157-21	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	200	4.2	ug/kg
LT-G-027-0-2-20140221	480-55157-21	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	380	11	ug/kg
LT-G-027-0-2-20140221	480-55157-21	4-NITROANILINE	3/3/2014		Yes	N	U		U	380	22	ug/kg
LT-G-027-0-2-20140221	480-55157-21	ANTHRACENE	3/3/2014	43	Yes	Y	J		J	200	5.0	ug/kg
LT-G-027-0-2-20140221	480-55157-21	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014	73	Yes	Y	J		J	200	63	ug/kg
LT-G-027-0-2-20140221	480-55157-21	CAPROLACTAM	3/3/2014		Yes	N	U		U	200	85	ug/kg
LT-G-027-0-2-20140221	480-55157-21	4-NITROPHENOL	3/3/2014		Yes	N	U		U	380	48	ug/kg
LT-G-027-0-2-20140221	480-55157-21	ACENAPHTHENE	3/3/2014	18	Yes	Y	J		J	200	2.3	ug/kg
LT-G-027-0-2-20140221	480-55157-21	ACENAPHTHYLENE	3/3/2014	11	Yes	Y	J		J	200	1.6	ug/kg
LT-G-027-0-2-20140221	480-55157-21	ACETOPHENONE	3/3/2014		Yes	N	U		U	200	10	ug/kg
LT-G-027-0-2-20140221	480-55157-21	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	200	21	ug/kg
LT-G-027-0-2-20140221	480-55157-21	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	200	63	ug/kg
LT-G-027-0-2-20140221	480-55157-21	BENZALDEHYDE	3/3/2014		Yes	N	U		U	200	22	ug/kg
LT-G-027-0-2-20140221	480-55157-21	ATRAZINE	3/3/2014		Yes	N	U		U	200	8.7	ug/kg
LT-G-027-2-4-20140221	480-55157-22	4-NITROANILINE	3/3/2014		Yes	N	U		U	360	21	ug/kg
LT-G-027-2-4-20140221	480-55157-22	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	360	10	ug/kg
LT-G-027-2-4-20140221	480-55157-22	BENZALDEHYDE	3/3/2014		Yes	N	U		U	190	20	ug/kg
LT-G-027-2-4-20140221	480-55157-22	ISOPHORONE	3/3/2014		Yes	N	U		U	190	9.3	ug/kg
LT-G-027-2-4-20140221	480-55157-22	BENZO(A)ANTHRACENE	3/3/2014	970	Yes	Y		J	J	190	3.2	ug/kg
LT-G-027-2-4-20140221	480-55157-22	BENZO(A)PYRENE	3/3/2014	900	Yes	Y		J	J	190	4.5	ug/kg
LT-G-027-2-4-20140221	480-55157-22	BENZO(G,H,I)PERYLENE	3/3/2014	630	Yes	Y		J	J	190	2.2	ug/kg
LT-G-027-2-4-20140221	480-55157-22	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	190	50	ug/kg
LT-G-027-2-4-20140221	480-55157-22	4-NITROPHENOL	3/3/2014		Yes	N	U		U	360	45	ug/kg
LT-G-027-2-4-20140221	480-55157-22	ATRAZINE	3/3/2014		Yes	N	U		U	190	8.3	ug/kg
LT-G-027-2-4-20140221	480-55157-22	BENZO(B)FLUORANTHENE	3/3/2014	1000	Yes	Y		J	J	190	3.6	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-027-2-4-20140221	480-55157-22	ACENAPHTHENE	3/3/2014	96	Yes	Y	J		J	190	2.2	ug/kg
LT-G-027-2-4-20140221	480-55157-22	ACENAPHTHYLENE	3/3/2014	16	Yes	Y	J		J	190	1.5	ug/kg
LT-G-027-2-4-20140221	480-55157-22	ACETOPHENONE	3/3/2014		Yes	N	U		U	190	9.5	ug/kg
LT-G-027-2-4-20140221	480-55157-22	NAPHTHALENE	3/3/2014		Yes	N	U		U	190	3.1	ug/kg
LT-G-027-2-4-20140221	480-55157-22	NITROBENZENE	3/3/2014		Yes	N	U		U	190	8.2	ug/kg
LT-G-027-2-4-20140221	480-55157-22	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	190	15	ug/kg
LT-G-027-2-4-20140221	480-55157-22	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	190	10	ug/kg
LT-G-027-2-4-20140221	480-55157-22	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	360	64	ug/kg
LT-G-027-2-4-20140221	480-55157-22	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	190	10	ug/kg
LT-G-027-2-4-20140221	480-55157-22	ANTHRACENE	3/3/2014	190	Yes	Y				190	4.8	ug/kg
LT-G-027-2-4-20140221	480-55157-22	DIETHYL PHTHALATE	3/3/2014		Yes	N	U	UJ	UJ	190	5.6	ug/kg
LT-G-027-2-4-20140221	480-55157-22	PHENOL	3/3/2014		Yes	N	U		U	190	20	ug/kg
LT-G-027-2-4-20140221	480-55157-22	PHENANTHRENE	3/3/2014	1000	Yes	Y				190	3.9	ug/kg
LT-G-027-2-4-20140221	480-55157-22	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	190	56	ug/kg
LT-G-027-2-4-20140221	480-55157-22	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	190	5.7	ug/kg
LT-G-027-2-4-20140221	480-55157-22	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	190	2.3	ug/kg
LT-G-027-2-4-20140221	480-55157-22	PYRENE	3/3/2014	2800	Yes	Y				190	1.2	ug/kg
LT-G-027-2-4-20140221	480-55157-22	BENZO(K)FLUORANTHENE	3/3/2014	500	Yes	Y		J	J	190	2.0	ug/kg
LT-G-027-2-4-20140221	480-55157-22	2-NITROANILINE	3/3/2014		Yes	N	U		U	360	60	ug/kg
LT-G-027-2-4-20140221	480-55157-22	2-NITROPHENOL	3/3/2014		Yes	N	U		U	190	8.5	ug/kg
LT-G-027-2-4-20140221	480-55157-22	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U	UJ	UJ	190	160	ug/kg
LT-G-027-2-4-20140221	480-55157-22	3-NITROANILINE	3/3/2014		Yes	N	U		U	360	43	ug/kg
LT-G-027-2-4-20140221	480-55157-22	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	360	64	ug/kg
LT-G-027-2-4-20140221	480-55157-22	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	190	59	ug/kg
LT-G-027-2-4-20140221	480-55157-22	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	190	7.7	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RI	MDL	Units
LT-G-027-2-4-20140221	480-55157-22	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	190	55	ug/kg
LT-G-027-2-4-20140221	480-55157-22	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	190	4.0	ug/kg
LT-G-027-2-4-20140221	480-55157-22	DIBENZ(A,H)ANTHRACENE	3/3/2014	140	Yes	Y	J	J	J	190	2.2	ug/kg
LT-G-027-2-4-20140221	480-55157-22	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	190	64	ug/kg
LT-G-027-2-4-20140221	480-55157-22	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	190	19	ug/kg
LT-G-027-2-4-20140221	480-55157-22	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U	UJ	UJ	190	60	ug/kg
LT-G-027-2-4-20140221	480-55157-22	CAPROLACTAM	3/3/2014		Yes	N	U		U	190	80	ug/kg
LT-G-027-2-4-20140221	480-55157-22	CARBAZOLE	3/3/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-027-2-4-20140221	480-55157-22	CHRYSENE	3/3/2014	940	Yes	Y		J	J	190	1.9	ug/kg
LT-G-027-2-4-20140221	480-55157-22	INDENO(1,2,3-C,D)PYRENE	3/3/2014	630	Yes	Y		J	J	190	5.1	ug/kg
LT-G-027-2-4-20140221	480-55157-22	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	190	4.9	ug/kg
LT-G-027-2-4-20140221	480-55157-22	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	190	14	ug/kg
LT-G-027-2-4-20140221	480-55157-22	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U	UJ	UJ	190	4.4	ug/kg
LT-G-027-2-4-20140221	480-55157-22	FLUORANTHENE	3/3/2014	1500	Yes	Y				190	2.7	ug/kg
LT-G-027-2-4-20140221	480-55157-22	FLUORENE	3/3/2014	40	Yes	Y	J		J	190	4.3	ug/kg
LT-G-027-2-4-20140221	480-55157-22	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	190	9.2	ug/kg
LT-G-027-2-4-20140221	480-55157-22	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	190	9.5	ug/kg
LT-G-027-2-4-20140221	480-55157-22	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	190	16	ug/kg
LT-G-027-2-4-20140221	480-55157-22	DIBENZOFURAN	3/3/2014		Yes	N	U		U	190	1.9	ug/kg
LT-G-027-2-4-20140221	480-55157-22	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	190	9.5	ug/kg
LT-G-027-2-4-20140221	480-55157-22	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	190	12	ug/kg
LT-G-027-2-4-20140221	480-55157-22	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	190	46	ug/kg
LT-G-027-2-4-20140221	480-55157-22	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	190	29	ug/kg
LT-G-027-2-4-20140221	480-55157-22	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	360	65	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-027-2-4-20140221	480-55157-22	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	190	50	ug/kg
LT-G-027-2-4-20140221	480-55157-22	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	190	12	ug/kg
LT-G-027-2-4-20140221	480-55157-22	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	12	ug/kg
LT-G-027-2-4-20140221	480-55157-22	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	9.8	ug/kg
LT-G-027-2-4-20140221	480-55157-22	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	190	41	ug/kg
LT-G-027-8-10-20140221	480-55157-23	NAPHTHALENE	3/3/2014		Yes	N	U		U	220	3.6	ug/kg
LT-G-027-8-10-20140221	480-55157-23	HEXACHLOROBUTADIENE	3/3/2014		Yes	N	U		U	220	11	ug/kg
LT-G-027-8-10-20140221	480-55157-23	HEXACHLOROCYCLOPENTADIENE	3/3/2014		Yes	N	U		U	220	66	ug/kg
LT-G-027-8-10-20140221	480-55157-23	HEXACHLOROETHANE	3/3/2014		Yes	N	U		U	220	17	ug/kg
LT-G-027-8-10-20140221	480-55157-23	ISOPHORONE	3/3/2014		Yes	N	U		U	220	11	ug/kg
LT-G-027-8-10-20140221	480-55157-23	INDENO(1,2,3-C,D)PYRENE	3/3/2014		Yes	N	U		U	220	6.0	ug/kg
LT-G-027-8-10-20140221	480-55157-23	HEXACHLOROBENZENE	3/3/2014		Yes	N	U		U	220	11	ug/kg
LT-G-027-8-10-20140221	480-55157-23	DI-N-OCTYLPHTHALATE	3/3/2014		Yes	N	U		U	220	5.1	ug/kg
LT-G-027-8-10-20140221	480-55157-23	NITROBENZENE	3/3/2014		Yes	N	U		U	220	9.6	ug/kg
LT-G-027-8-10-20140221	480-55157-23	FLUORANTHENE	3/3/2014		Yes	N	U		U	220	3.1	ug/kg
LT-G-027-8-10-20140221	480-55157-23	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/3/2014		Yes	N	U		U	220	19	ug/kg
LT-G-027-8-10-20140221	480-55157-23	DIBENZ(A,H)ANTHRACENE	3/3/2014		Yes	N	U		U	220	2.5	ug/kg
LT-G-027-8-10-20140221	480-55157-23	DIBENZOFURAN	3/3/2014		Yes	N	U		U	220	2.3	ug/kg
LT-G-027-8-10-20140221	480-55157-23	DIETHYL PHTHALATE	3/3/2014		Yes	N	U		U	220	6.5	ug/kg
LT-G-027-8-10-20140221	480-55157-23	FLUORENE	3/3/2014		Yes	N	U		U	220	5.0	ug/kg
LT-G-027-8-10-20140221	480-55157-23	CAPROLACTAM	3/3/2014		Yes	N	U		U	220	94	ug/kg
LT-G-027-8-10-20140221	480-55157-23	PYRENE	3/3/2014		Yes	N	U		U	220	1.4	ug/kg
LT-G-027-8-10-20140221	480-55157-23	2,4,5-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	220	47	ug/kg
LT-G-027-8-10-20140221	480-55157-23	2,4,6-TRICHLOROPHENOL	3/3/2014		Yes	N	U		U	220	14	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-027-8-10-20140221	480-55157-23	2,4-DICHLOROPHENOL	3/3/2014		Yes	N	U		U	220	11	ug/kg
LT-G-027-8-10-20140221	480-55157-23	2,4-DIMETHYLPHENOL	3/3/2014		Yes	N	U		U	220	59	ug/kg
LT-G-027-8-10-20140221	480-55157-23	2,4-DINITROPHENOL	3/3/2014		Yes	N	U		U	420	76	ug/kg
LT-G-027-8-10-20140221	480-55157-23	PENTACHLOROPHENOL	3/3/2014		Yes	N	U		U	420	74	ug/kg
LT-G-027-8-10-20140221	480-55157-23	CARBAZOLE	3/3/2014		Yes	N	U		U	220	2.5	ug/kg
LT-G-027-8-10-20140221	480-55157-23	N-NITROSODI-N-PROPYLAMINE	3/3/2014		Yes	N	U		U	220	17	ug/kg
LT-G-027-8-10-20140221	480-55157-23	BIS(2-ETHYLHEXYL) PHTHALATE	3/3/2014		Yes	N	U		U	220	70	ug/kg
LT-G-027-8-10-20140221	480-55157-23	BIS(2-CHLOROISOPROPYL) ETHER	3/3/2014		Yes	N	U		U	220	23	ug/kg
LT-G-027-8-10-20140221	480-55157-23	BENZO(K)FLUORANTHENE	3/3/2014		Yes	N	U		U	220	2.4	ug/kg
LT-G-027-8-10-20140221	480-55157-23	PHENANTHRENE	3/3/2014		Yes	N	U		U	220	4.5	ug/kg
LT-G-027-8-10-20140221	480-55157-23	DIMETHYL PHTHALATE	3/3/2014		Yes	N	U		U	220	5.7	ug/kg
LT-G-027-8-10-20140221	480-55157-23	N-NITROSODIPHENYLAMINE	3/3/2014		Yes	N	U		U	220	12	ug/kg
LT-G-027-8-10-20140221	480-55157-23	CHRYSENE	3/3/2014		Yes	N	U		U	220	2.2	ug/kg
LT-G-027-8-10-20140221	480-55157-23	2-NITROPHENOL	3/3/2014		Yes	N	U		U	220	9.9	ug/kg
LT-G-027-8-10-20140221	480-55157-23	BIPHENYL (DIPHENYL)	3/3/2014		Yes	N	U		U	220	14	ug/kg
LT-G-027-8-10-20140221	480-55157-23	4-METHYLPHENOL (P-CRESOL)	3/3/2014		Yes	N	U		U	420	12	ug/kg
LT-G-027-8-10-20140221	480-55157-23	4-CHLOROPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	220	4.6	ug/kg
LT-G-027-8-10-20140221	480-55157-23	2-CHLORONAPHTHALENE	3/3/2014		Yes	N	U		U	220	15	ug/kg
LT-G-027-8-10-20140221	480-55157-23	2-CHLOROPHENOL	3/3/2014		Yes	N	U		U	220	11	ug/kg
LT-G-027-8-10-20140221	480-55157-23	2-METHYLNAPHTHALENE	3/3/2014		Yes	N	U		U	220	2.6	ug/kg
LT-G-027-8-10-20140221	480-55157-23	4-NITROPHENOL	3/3/2014		Yes	N	U		U	420	53	ug/kg
LT-G-027-8-10-20140221	480-55157-23	2-NITROANILINE	3/3/2014		Yes	N	U		U	420	70	ug/kg
LT-G-027-8-10-20140221	480-55157-23	ACENAPHTHENE	3/3/2014		Yes	N	U		U	220	2.5	ug/kg
LT-G-027-8-10-20140221	480-55157-23	3,3'-DICHLOROBENZIDINE	3/3/2014		Yes	N	U		U	220	190	ug/kg
LT-G-027-8-10-20140221	480-55157-23	3-NITROANILINE	3/3/2014		Yes	N	U		U	420	50	ug/kg

SDG: 480551571

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-027-8-10-20140221	480-55157-23	4,6-DINITRO-2-METHYLPHENOL	3/3/2014		Yes	N	U		U	420	75	ug/kg
LT-G-027-8-10-20140221	480-55157-23	4-BROMOPHENYL PHENYL ETHER	3/3/2014		Yes	N	U		U	220	69	ug/kg
LT-G-027-8-10-20140221	480-55157-23	4-CHLORO-3-METHYLPHENOL	3/3/2014		Yes	N	U		U	220	8.9	ug/kg
LT-G-027-8-10-20140221	480-55157-23	4-CHLOROANILINE	3/3/2014		Yes	N	U		U	220	64	ug/kg
LT-G-027-8-10-20140221	480-55157-23	2-METHYLPHENOL (O-CRESOL)	3/3/2014		Yes	N	U		U	220	6.7	ug/kg
LT-G-027-8-10-20140221	480-55157-23	BENZALDEHYDE	3/3/2014		Yes	N	U		U	220	24	ug/kg
LT-G-027-8-10-20140221	480-55157-23	BIS(2-CHLOROETHOXY) METHANE	3/3/2014		Yes	N	U		U	220	12	ug/kg
LT-G-027-8-10-20140221	480-55157-23	PHENOL	3/3/2014		Yes	N	U		U	220	23	ug/kg
LT-G-027-8-10-20140221	480-55157-23	BENZYL BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	220	58	ug/kg
LT-G-027-8-10-20140221	480-55157-23	BENZO(G,H,I)PERYLENE	3/3/2014		Yes	N	U		U	220	2.6	ug/kg
LT-G-027-8-10-20140221	480-55157-23	BENZO(B)FLUORANTHENE	3/3/2014		Yes	N	U		U	220	4.2	ug/kg
LT-G-027-8-10-20140221	480-55157-23	4-NITROANILINE	3/3/2014		Yes	N	U		U	420	24	ug/kg
LT-G-027-8-10-20140221	480-55157-23	BENZO(A)ANTHRACENE	3/3/2014		Yes	N	U		U	220	3.7	ug/kg
LT-G-027-8-10-20140221	480-55157-23	DI-N-BUTYL PHTHALATE	3/3/2014		Yes	N	U		U	220	75	ug/kg
LT-G-027-8-10-20140221	480-55157-23	ATRAZINE	3/3/2014		Yes	N	U		U	220	9.6	ug/kg
LT-G-027-8-10-20140221	480-55157-23	ANTHRACENE	3/3/2014		Yes	N	U		U	220	5.5	ug/kg
LT-G-027-8-10-20140221	480-55157-23	2,4-DINITROTOLUENE	3/3/2014		Yes	N	U		U	220	34	ug/kg
LT-G-027-8-10-20140221	480-55157-23	ACETOPHENONE	3/3/2014		Yes	N	U		U	220	11	ug/kg
LT-G-027-8-10-20140221	480-55157-23	2,6-DINITROTOLUENE	3/3/2014		Yes	N	U		U	220	53	ug/kg
LT-G-027-8-10-20140221	480-55157-23	ACENAPHTHYLENE	3/3/2014		Yes	N	U		U	220	1.8	ug/kg
LT-G-027-8-10-20140221	480-55157-23	BENZO(A)PYRENE	3/3/2014		Yes	N	U		U	220	5.2	ug/kg

SDG: 480552121

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801679891A	4801679891A	NICKEL	3/3/2014	0.0019	Yes	N	U		U	0.010	0.0013	mg/l
4801679891A	4801679891A	ZINC	3/3/2014		Yes	Y	J		J	0.010	0.0015	mg/l
4801679891A	4801679891A	THALLIUM	3/3/2014		Yes	N	U		U	0.020	0.010	mg/l
4801679891A	4801679891A	SODIUM	3/3/2014		Yes	N	U		U	1.0	0.32	mg/l
4801679891A	4801679891A	SILVER	3/3/2014		Yes	N	U		U	0.0030	0.0017	mg/l
4801679891A	4801679891A	POTASSIUM	3/3/2014		Yes	N	U		U	0.50	0.10	mg/l
4801679891A	4801679891A	VANADIUM	3/3/2014		Yes	N	U		U	0.0050	0.0015	mg/l
4801679891A	4801679891A	MANGANESE	3/3/2014	0.00122	Yes	Y	J		J	0.0030	0.00040	mg/l
4801679891A	4801679891A	MAGNESIUM	3/3/2014		Yes	N	U		U	0.20	0.043	mg/l
4801679891A	4801679891A	LEAD	3/3/2014		Yes	N	U		U	0.0050	0.0030	mg/l
4801679891A	4801679891A	IRON	3/3/2014		Yes	N	U		U	0.050	0.019	mg/l
4801679891A	4801679891A	ANTIMONY	3/3/2014		Yes	N	U		U	0.020	0.0068	mg/l
4801679891A	4801679891A	COBALT	3/3/2014		Yes	N	U		U	0.0040	0.00063	mg/l
4801679891A	4801679891A	CHROMIUM, TOTAL	3/3/2014		Yes	N	U		U	0.0040	0.0010	mg/l
4801679891A	4801679891A	CALCIUM	3/3/2014	0.22	Yes	Y	J		J	0.50	0.10	mg/l
4801679891A	4801679891A	CADMIUM	3/3/2014		Yes	N	U		U	0.0010	0.00050	mg/l
4801679891A	4801679891A	BERYLLIUM	3/3/2014		Yes	N	U		U	0.0020	0.00030	mg/l
4801679891A	4801679891A	BARIUM	3/3/2014		Yes	N	U		U	0.0020	0.00070	mg/l
4801679891A	4801679891A	ARSENIC	3/3/2014		Yes	N	U		U	0.010	0.0056	mg/l
4801679891A	4801679891A	COPPER	3/3/2014		Yes	N	U		U	0.010	0.0016	mg/l
4801679891A	4801679891A	SELENIUM	3/3/2014		Yes	N	U		U	0.015	0.0087	mg/l
4801679891A	4801679891A	ALUMINUM	3/3/2014		Yes	N	U		U	0.20	0.060	mg/l
4801680351A	4801680351A	COPPER	3/4/2014		Yes	N	U		U	5.3	0.22	mg/kg
4801680351A	4801680351A	COBALT	3/4/2014		Yes	N	U		U	2.6	0.053	mg/kg
4801680351A	4801680351A	CHROMIUM, TOTAL	3/4/2014		Yes	N	U		U	2.6	0.21	mg/kg

SDG: 480552121

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801680351A	4801680351A	CALCIUM	3/4/2014	5.66	Yes	Y	J		J	264	3.5	mg/kg
4801680351A	4801680351A	CADMIUM	3/4/2014		Yes	N	U		U	1.1	0.032	mg/kg
4801680351A	4801680351A	BERYLLIUM	3/4/2014		Yes	N	U		U	1.1	0.030	mg/kg
4801680351A	4801680351A	BARIUM	3/4/2014		Yes	N	U		U	2.6	0.12	mg/kg
4801680351A	4801680351A	ANTIMONY	3/4/2014		Yes	N	U		U	79.2	0.42	mg/kg
4801680351A	4801680351A	IRON	3/4/2014	3.41	Yes	Y	J		J	52.8	1.2	mg/kg
4801680351A	4801680351A	ARSENIC	3/4/2014		Yes	N	U		U	10.6	0.42	mg/kg
4801680351A	4801680351A	LEAD	3/4/2014		Yes	N	U		U	5.3	0.25	mg/kg
4801680351A	4801680351A	MAGNESIUM	3/4/2014		Yes	N	U		U	106	0.98	mg/kg
4801680351A	4801680351A	MANGANESE	3/4/2014	0.123	Yes	Y	J		J	1.1	0.034	mg/kg
4801680351A	4801680351A	NICKEL	3/4/2014		Yes	N	U		U	26.4	0.24	mg/kg
4801680351A	4801680351A	POTASSIUM	3/4/2014		Yes	N	U		U	158	21.1	mg/kg
4801680351A	4801680351A	SELENIUM	3/4/2014		Yes	N	U		U	21.1	0.42	mg/kg
4801680351A	4801680351A	SILVER	3/4/2014		Yes	N	U		U	2.6	0.21	mg/kg
4801680351A	4801680351A	SODIUM	3/4/2014		Yes	N	U		U	739	13.7	mg/kg
4801680351A	4801680351A	THALLIUM	3/4/2014		Yes	N	U		U	31.7	0.32	mg/kg
4801680351A	4801680351A	ZINC	3/4/2014	0.401	Yes	Y	J		J	10.6	0.16	mg/kg
4801680351A	4801680351A	ALUMINUM	3/4/2014		Yes	N	U		U	52.8	4.6	mg/kg
4801680351A	4801680351A	VANADIUM	3/4/2014		Yes	N	U		U	2.6	0.12	mg/kg
4801680361A	4801680361A	LEAD	3/5/2014		Yes	N	U		U	5.5	0.26	mg/kg
4801680361A	4801680361A	ZINC	3/5/2014	0.393	Yes	Y	J		J	11.0	0.17	mg/kg
4801680361A	4801680361A	ANTIMONY	3/5/2014		Yes	N	U		U	82.7	0.44	mg/kg
4801680361A	4801680361A	ARSENIC	3/5/2014		Yes	N	U		U	11.0	0.44	mg/kg
4801680361A	4801680361A	BARIUM	3/5/2014		Yes	N	U		U	2.8	0.12	mg/kg
4801680361A	4801680361A	BERYLLIUM	3/5/2014		Yes	N	U		U	1.1	0.031	mg/kg

SDG: 480552121

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801680361A	4801680361A	CADMIUM	3/5/2014		Yes	N	U		U	1.1	0.033	mg/kg
4801680361A	4801680361A	CALCIUM	3/5/2014	4.5	Yes	Y	J		J	276	3.6	mg/kg
4801680361A	4801680361A	CHROMIUM, TOTAL	3/5/2014	0.617	Yes	Y	J		J	2.8	0.22	mg/kg
4801680361A	4801680361A	COBALT	3/5/2014		Yes	N	U		U	2.8	0.055	mg/kg
4801680361A	4801680361A	IRON	3/5/2014	5.2	Yes	Y	J		J	55.1	1.2	mg/kg
4801680361A	4801680361A	ALUMINUM	3/5/2014		Yes	N	U		U	55.1	4.9	mg/kg
4801680361A	4801680361A	MAGNESIUM	3/5/2014		Yes	N	U		U	110	1.0	mg/kg
4801680361A	4801680361A	MANGANESE	3/5/2014	0.152	Yes	Y	J		J	1.1	0.035	mg/kg
4801680361A	4801680361A	NICKEL	3/5/2014	0.327	Yes	Y	J		J	27.6	0.25	mg/kg
4801680361A	4801680361A	POTASSIUM	3/5/2014		Yes	N	U		U	165	22.1	mg/kg
4801680361A	4801680361A	SELENIUM	3/5/2014		Yes	N	U		U	22.1	0.44	mg/kg
4801680361A	4801680361A	SILVER	3/5/2014		Yes	N	U		U	2.8	0.22	mg/kg
4801680361A	4801680361A	SODIUM	3/5/2014		Yes	N	U		U	772	14.3	mg/kg
4801680361A	4801680361A	THALLIUM	3/5/2014		Yes	N	U		U	33.1	0.33	mg/kg
4801680361A	4801680361A	VANADIUM	3/5/2014		Yes	N	U		U	2.8	0.12	mg/kg
4801680361A	4801680361A	COPPER	3/5/2014		Yes	N	U		U	5.5	0.23	mg/kg
DUP029-20140224	480-55212-10	NICKEL	3/4/2014	26	Yes	Y	J		J	30.3	0.28	mg/kg
DUP029-20140224	480-55212-10	IRON	3/4/2014	17900	Yes	Y	B	J	J	60.6	1.3	mg/kg
DUP029-20140224	480-55212-10	ZINC	3/4/2014	26.9	Yes	Y	B	J	J	12.1	0.19	mg/kg
DUP029-20140224	480-55212-10	VANADIUM	3/4/2014	9.1	Yes	Y		J	J	3.0	0.13	mg/kg
DUP029-20140224	480-55212-10	THALLIUM	3/4/2014		Yes	N	U		U	36.4	0.36	mg/kg
DUP029-20140224	480-55212-10	SODIUM	3/4/2014	35.5	Yes	Y	J		J	849	15.8	mg/kg
DUP029-20140224	480-55212-10	SILVER	3/4/2014		Yes	N	U		U	3.0	0.24	mg/kg
DUP029-20140224	480-55212-10	SELENIUM	3/4/2014		Yes	N	U		U	24.3	0.49	mg/kg
DUP029-20140224	480-55212-10	POTASSIUM	3/4/2014	603	Yes	Y				182	24.3	mg/kg

SDG: 480552121

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP029-20140224	480-55212-10	MAGNESIUM	3/4/2014	791	Yes	Y				121	1.1	mg/kg
DUP029-20140224	480-55212-10	LEAD	3/4/2014	1.8	Yes	Y	J		J	6.1	0.29	mg/kg
DUP029-20140224	480-55212-10	ALUMINUM	3/4/2014	2050	Yes	Y				60.6	5.3	mg/kg
DUP029-20140224	480-55212-10	COPPER	3/4/2014	5.5	Yes	Y	J		J	6.1	0.25	mg/kg
DUP029-20140224	480-55212-10	COBALT	3/4/2014	64.3	Yes	Y				3.0	0.061	mg/kg
DUP029-20140224	480-55212-10	CHROMIUM, TOTAL	3/4/2014	8.8	Yes	Y				3.0	0.24	mg/kg
DUP029-20140224	480-55212-10	CALCIUM	3/4/2014	590	Yes	Y	B	J	J	303	4.0	mg/kg
DUP029-20140224	480-55212-10	CADMIUM	3/4/2014	0.089	Yes	Y	J		J	1.2	0.036	mg/kg
DUP029-20140224	480-55212-10	BERYLLIUM	3/4/2014	0.15	Yes	Y	J		J	1.2	0.034	mg/kg
DUP029-20140224	480-55212-10	BARIUM	3/4/2014	24.8	Yes	Y		J	J	3.0	0.13	mg/kg
DUP029-20140224	480-55212-10	ARSENIC	3/4/2014	2.7	Yes	Y	J		J	12.1	0.49	mg/kg
DUP029-20140224	480-55212-10	ANTIMONY	3/4/2014		Yes	N	U	UJ	UJ	90.9	0.49	mg/kg
DUP029-20140224	480-55212-10	MANGANESE	3/4/2014	417	Yes	Y	B	J	J	1.2	0.039	mg/kg
DUP030-20140224	480-55212-11	THALLIUM	3/4/2014		Yes	N	U		U	36.0	0.36	mg/kg
DUP030-20140224	480-55212-11	CADMIUM	3/4/2014	0.26	Yes	Y	J		J	1.2	0.036	mg/kg
DUP030-20140224	480-55212-11	VANADIUM	3/4/2014	17.8	Yes	Y				3.0	0.13	mg/kg
DUP030-20140224	480-55212-11	ZINC	3/4/2014	29.8	Yes	Y	B	J	J	12.0	0.18	mg/kg
DUP030-20140224	480-55212-11	ALUMINUM	3/4/2014	5120	Yes	Y				59.9	5.3	mg/kg
DUP030-20140224	480-55212-11	ANTIMONY	3/4/2014		Yes	N	U	UJ	UJ	89.9	0.48	mg/kg
DUP030-20140224	480-55212-11	ARSENIC	3/4/2014	8.6	Yes	Y	J		J	12.0	0.48	mg/kg
DUP030-20140224	480-55212-11	BERYLLIUM	3/4/2014	0.25	Yes	Y	J		J	1.2	0.034	mg/kg
DUP030-20140224	480-55212-11	CALCIUM	3/4/2014	637	Yes	Y	B	J	J	300	4.0	mg/kg
DUP030-20140224	480-55212-11	CHROMIUM, TOTAL	3/4/2014	18.4	Yes	Y				3.0	0.24	mg/kg
DUP030-20140224	480-55212-11	COBALT	3/4/2014	8.7	Yes	Y				3.0	0.060	mg/kg
DUP030-20140224	480-55212-11	COPPER	3/4/2014	10.2	Yes	Y				6.0	0.25	mg/kg

SDG: 480552121

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP030-20140224	480-55212-11	POTASSIUM	3/4/2014	1280	Yes	Y				180	24.0	mg/kg
DUP030-20140224	480-55212-11	SODIUM	3/4/2014	34.3	Yes	Y	J		J	839	15.6	mg/kg
DUP030-20140224	480-55212-11	BARIUM	3/4/2014	54.9	Yes	Y		J	J	3.0	0.13	mg/kg
DUP030-20140224	480-55212-11	IRON	3/4/2014	33800	Yes	Y	B	J	J	59.9	1.3	mg/kg
DUP030-20140224	480-55212-11	SELENIUM	3/4/2014		Yes	N	U		U	24.0	0.48	mg/kg
DUP030-20140224	480-55212-11	NICKEL	3/4/2014	15.6	Yes	Y	J		J	30.0	0.28	mg/kg
DUP030-20140224	480-55212-11	MANGANESE	3/4/2014	541	Yes	Y	B	J	J	1.2	0.038	mg/kg
DUP030-20140224	480-55212-11	MAGNESIUM	3/4/2014	1630	Yes	Y				120	1.1	mg/kg
DUP030-20140224	480-55212-11	LEAD	3/4/2014	3.9	Yes	Y	J		J	6.0	0.29	mg/kg
DUP030-20140224	480-55212-11	SILVER	3/4/2014		Yes	N	U		U	3.0	0.24	mg/kg
FB029-20140224	480-55212-30	COPPER	2/28/2014		Yes	N	U		U	0.010	0.0016	mg/l
FB029-20140224	480-55212-30	SILVER	2/28/2014		Yes	N	U		U	0.0030	0.0017	mg/l
FB029-20140224	480-55212-30	COBALT	2/28/2014		Yes	N	U		U	0.0040	0.00063	mg/l
FB029-20140224	480-55212-30	SELENIUM	2/28/2014		Yes	N	U		U	0.015	0.0087	mg/l
FB029-20140224	480-55212-30	IRON	2/28/2014		Yes	N	U		U	0.050	0.019	mg/l
FB029-20140224	480-55212-30	LEAD	2/28/2014		Yes	N	U		U	0.0050	0.0030	mg/l
FB029-20140224	480-55212-30	MAGNESIUM	2/28/2014		Yes	N	U		U	0.20	0.043	mg/l
FB029-20140224	480-55212-30	VANADIUM	2/28/2014		Yes	N	U		U	0.0050	0.0015	mg/l
FB029-20140224	480-55212-30	SODIUM	2/28/2014		Yes	N	U		U	1.0	0.32	mg/l
FB029-20140224	480-55212-30	CHROMIUM, TOTAL	2/28/2014		Yes	N	U		U	0.0040	0.0010	mg/l
FB029-20140224	480-55212-30	NICKEL	2/28/2014		Yes	N	U		U	0.010	0.0013	mg/l
FB029-20140224	480-55212-30	THALLIUM	2/28/2014		Yes	N	U		U	0.020	0.010	mg/l
FB029-20140224	480-55212-30	CALCIUM	2/28/2014		Yes	N	U		U	0.50	0.10	mg/l
FB029-20140224	480-55212-30	CADMIUM	2/28/2014		Yes	N	U		U	0.0010	0.00050	mg/l
FB029-20140224	480-55212-30	BERYLLIUM	2/28/2014		Yes	N	U		U	0.0020	0.00030	mg/l

SDG: 480552121

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB029-20140224	480-55212-30	BARIUM	2/28/2014		Yes	N	U		U	0.0020	0.00070	mg/l
FB029-20140224	480-55212-30	ARSENIC	2/28/2014		Yes	N	U		U	0.010	0.0056	mg/l
FB029-20140224	480-55212-30	ANTIMONY	2/28/2014		Yes	N	U		U	0.020	0.0068	mg/l
FB029-20140224	480-55212-30	MANGANESE	2/28/2014		Yes	N	U		U	0.0030	0.00040	mg/l
FB029-20140224	480-55212-30	POTASSIUM	2/28/2014		Yes	N	U		U	0.50	0.10	mg/l
FB029-20140224	480-55212-30	ZINC	2/28/2014	0.0021	Yes	Y	BJ	U	U	0.010	0.0015	mg/l
FB029-20140224	480-55212-30	ALUMINUM	2/28/2014		Yes	N	U		U	0.20	0.060	mg/l
LT-C-060-0-2-20140224	480-55212-1	SELENIUM	3/4/2014		Yes	N	U		U	24.2	0.48	mg/kg
LT-C-060-0-2-20140224	480-55212-1	SILVER	3/4/2014		Yes	N	U		U	3.0	0.24	mg/kg
LT-C-060-0-2-20140224	480-55212-1	THALLIUM	3/4/2014		Yes	N	U		U	36.3	0.36	mg/kg
LT-C-060-0-2-20140224	480-55212-1	VANADIUM	3/4/2014	18.3	Yes	Y				3.0	0.13	mg/kg
LT-C-060-0-2-20140224	480-55212-1	SODIUM	3/4/2014	43.1	Yes	Y	J		J	847	15.7	mg/kg
LT-C-060-0-2-20140224	480-55212-1	CALCIUM	3/4/2014	385	Yes	Y	B	J	J	303	4.0	mg/kg
LT-C-060-0-2-20140224	480-55212-1	ZINC	3/4/2014	23.2	Yes	Y	B	J	J	12.1	0.19	mg/kg
LT-C-060-0-2-20140224	480-55212-1	POTASSIUM	3/4/2014	515	Yes	Y				182	24.2	mg/kg
LT-C-060-0-2-20140224	480-55212-1	ARSENIC	3/4/2014	6.8	Yes	Y	J		J	12.1	0.48	mg/kg
LT-C-060-0-2-20140224	480-55212-1	BARIUM	3/4/2014	63.6	Yes	Y		J	J	3.0	0.13	mg/kg
LT-C-060-0-2-20140224	480-55212-1	CADMIUM	3/4/2014	0.11	Yes	Y	J		J	1.2	0.036	mg/kg
LT-C-060-0-2-20140224	480-55212-1	CHROMIUM, TOTAL	3/4/2014	13.6	Yes	Y				3.0	0.24	mg/kg
LT-C-060-0-2-20140224	480-55212-1	COBALT	3/4/2014	8.9	Yes	Y				3.0	0.061	mg/kg
LT-C-060-0-2-20140224	480-55212-1	NICKEL	3/4/2014	15.8	Yes	Y	J		J	30.3	0.28	mg/kg
LT-C-060-0-2-20140224	480-55212-1	ANTIMONY	3/4/2014	0.6	Yes	Y	J	J	J	90.8	0.48	mg/kg
LT-C-060-0-2-20140224	480-55212-1	BERYLLIUM	3/4/2014	0.39	Yes	Y	J		J	1.2	0.034	mg/kg
LT-C-060-0-2-20140224	480-55212-1	ALUMINUM	3/4/2014	7440	Yes	Y				60.5	5.3	mg/kg
LT-C-060-0-2-20140224	480-55212-1	COPPER	3/4/2014	9.8	Yes	Y				6.1	0.25	mg/kg

SDG: 480552121

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-060-0-2-20140224	480-55212-1	MANGANESE	3/4/2014	426	Yes	Y	B	J	J	1.2	0.039	mg/kg
LT-C-060-0-2-20140224	480-55212-1	MAGNESIUM	3/4/2014	1470	Yes	Y				121	1.1	mg/kg
LT-C-060-0-2-20140224	480-55212-1	LEAD	3/4/2014	13.8	Yes	Y				6.1	0.29	mg/kg
LT-C-060-0-2-20140224	480-55212-1	IRON	3/4/2014	18000	Yes	Y	B	J	J	60.5	1.3	mg/kg
LT-C-060-4-6-20140224	480-55212-2	MANGANESE	3/4/2014	80.6	Yes	Y	B	J	J	1.1	0.035	mg/kg
LT-C-060-4-6-20140224	480-55212-2	SILVER	3/4/2014		Yes	N	U		U	2.7	0.22	mg/kg
LT-C-060-4-6-20140224	480-55212-2	COPPER	3/4/2014	11.2	Yes	Y				5.4	0.23	mg/kg
LT-C-060-4-6-20140224	480-55212-2	IRON	3/4/2014	8400	Yes	Y	B	J	J	54.1	1.2	mg/kg
LT-C-060-4-6-20140224	480-55212-2	LEAD	3/4/2014	4.3	Yes	Y	J		J	5.4	0.26	mg/kg
LT-C-060-4-6-20140224	480-55212-2	MAGNESIUM	3/4/2014	2100	Yes	Y				108	1.0	mg/kg
LT-C-060-4-6-20140224	480-55212-2	COBALT	3/4/2014	9.9	Yes	Y				2.7	0.054	mg/kg
LT-C-060-4-6-20140224	480-55212-2	NICKEL	3/4/2014	11.9	Yes	Y	J		J	27.0	0.25	mg/kg
LT-C-060-4-6-20140224	480-55212-2	POTASSIUM	3/4/2014	1370	Yes	Y				162	21.6	mg/kg
LT-C-060-4-6-20140224	480-55212-2	SELENIUM	3/4/2014	0.5	Yes	Y	J		J	21.6	0.43	mg/kg
LT-C-060-4-6-20140224	480-55212-2	SODIUM	3/4/2014	48.4	Yes	Y	J		J	757	14.1	mg/kg
LT-C-060-4-6-20140224	480-55212-2	CHROMIUM, TOTAL	3/4/2014	21	Yes	Y				2.7	0.22	mg/kg
LT-C-060-4-6-20140224	480-55212-2	THALLIUM	3/4/2014		Yes	N	U		U	32.5	0.32	mg/kg
LT-C-060-4-6-20140224	480-55212-2	ZINC	3/4/2014	27.1	Yes	Y	B	J	J	10.8	0.17	mg/kg
LT-C-060-4-6-20140224	480-55212-2	VANADIUM	3/4/2014	19.4	Yes	Y				2.7	0.12	mg/kg
LT-C-060-4-6-20140224	480-55212-2	CALCIUM	3/4/2014	1220	Yes	Y	B	J	J	270	3.6	mg/kg
LT-C-060-4-6-20140224	480-55212-2	CADMIUM	3/4/2014	0.085	Yes	Y	J		J	1.1	0.032	mg/kg
LT-C-060-4-6-20140224	480-55212-2	BERYLLIUM	3/4/2014	0.12	Yes	Y	J		J	1.1	0.030	mg/kg
LT-C-060-4-6-20140224	480-55212-2	BARIUM	3/4/2014	24.7	Yes	Y		J	J	2.7	0.12	mg/kg
LT-C-060-4-6-20140224	480-55212-2	ARSENIC	3/4/2014	4.6	Yes	Y	J		J	10.8	0.43	mg/kg
LT-C-060-4-6-20140224	480-55212-2	ANTIMONY	3/4/2014		Yes	N	U	UJ	UJ	81.1	0.43	mg/kg

SDG: 480552121

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-060-4-6-20140224	480-55212-2	ALUMINUM	3/4/2014	4430	Yes	Y				54.1	4.8	mg/kg
LT-C-060-8-10-20140224	480-55212-3	MAGNESIUM	3/4/2014	1780	Yes	Y				121	1.1	mg/kg
LT-C-060-8-10-20140224	480-55212-3	MANGANESE	3/4/2014	818	Yes	Y	B	J	J	1.2	0.039	mg/kg
LT-C-060-8-10-20140224	480-55212-3	NICKEL	3/4/2014	41.6	Yes	Y				30.4	0.28	mg/kg
LT-C-060-8-10-20140224	480-55212-3	POTASSIUM	3/4/2014	1200	Yes	Y				182	24.3	mg/kg
LT-C-060-8-10-20140224	480-55212-3	SELENIUM	3/4/2014		Yes	N	U		U	24.3	0.49	mg/kg
LT-C-060-8-10-20140224	480-55212-3	SILVER	3/4/2014		Yes	N	U		U	3.0	0.24	mg/kg
LT-C-060-8-10-20140224	480-55212-3	LEAD	3/4/2014	2.3	Yes	Y	J		J	6.1	0.29	mg/kg
LT-C-060-8-10-20140224	480-55212-3	ANTIMONY	3/4/2014		Yes	N	U	UJ	UJ	91.1	0.49	mg/kg
LT-C-060-8-10-20140224	480-55212-3	CHROMIUM, TOTAL	3/4/2014	18.7	Yes	Y				3.0	0.24	mg/kg
LT-C-060-8-10-20140224	480-55212-3	THALLIUM	3/4/2014		Yes	N	U		U	36.4	0.36	mg/kg
LT-C-060-8-10-20140224	480-55212-3	SODIUM	3/4/2014	49.4	Yes	Y	J		J	850	15.8	mg/kg
LT-C-060-8-10-20140224	480-55212-3	IRON	3/4/2014	21800	Yes	Y	B	J	J	60.7	1.3	mg/kg
LT-C-060-8-10-20140224	480-55212-3	ZINC	3/4/2014	35.9	Yes	Y	B	J	J	12.1	0.19	mg/kg
LT-C-060-8-10-20140224	480-55212-3	VANADIUM	3/4/2014	15.9	Yes	Y		J	J	3.0	0.13	mg/kg
LT-C-060-8-10-20140224	480-55212-3	COBALT	3/4/2014	106	Yes	Y				3.0	0.061	mg/kg
LT-C-060-8-10-20140224	480-55212-3	CALCIUM	3/4/2014	815	Yes	Y	B	J	J	304	4.0	mg/kg
LT-C-060-8-10-20140224	480-55212-3	CADMIUM	3/4/2014	0.12	Yes	Y	J		J	1.2	0.036	mg/kg
LT-C-060-8-10-20140224	480-55212-3	BERYLLIUM	3/4/2014	0.17	Yes	Y	J		J	1.2	0.034	mg/kg
LT-C-060-8-10-20140224	480-55212-3	BARIUM	3/4/2014	43.8	Yes	Y		J	J	3.0	0.13	mg/kg
LT-C-060-8-10-20140224	480-55212-3	ARSENIC	3/4/2014	2.5	Yes	Y	J		J	12.1	0.49	mg/kg
LT-C-060-8-10-20140224	480-55212-3	ALUMINUM	3/4/2014	3560	Yes	Y				60.7	5.3	mg/kg
LT-C-060-8-10-20140224	480-55212-3	COPPER	3/4/2014	6.8	Yes	Y				6.1	0.26	mg/kg
LT-G-028-0-2-20140224	480-55212-4	CADMIUM	3/4/2014	0.12	Yes	Y	J		J	1.3	0.038	mg/kg
LT-G-028-0-2-20140224	480-55212-4	LEAD	3/4/2014	14.2	Yes	Y				6.4	0.31	mg/kg

SDG: 480552121

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-028-0-2-20140224	480-55212-4	ZINC	3/4/2014	66.4	Yes	Y	B	J	J	12.7	0.20	mg/kg
LT-G-028-0-2-20140224	480-55212-4	VANADIUM	3/4/2014	46.6	Yes	Y				3.2	0.14	mg/kg
LT-G-028-0-2-20140224	480-55212-4	THALLIUM	3/4/2014		Yes	N	U		U	38.2	0.38	mg/kg
LT-G-028-0-2-20140224	480-55212-4	SODIUM	3/4/2014	90.6	Yes	Y	J		J	892	16.6	mg/kg
LT-G-028-0-2-20140224	480-55212-4	SILVER	3/4/2014		Yes	N	U		U	3.2	0.25	mg/kg
LT-G-028-0-2-20140224	480-55212-4	SELENIUM	3/4/2014		Yes	N	U		U	25.5	0.51	mg/kg
LT-G-028-0-2-20140224	480-55212-4	POTASSIUM	3/4/2014	2840	Yes	Y				191	25.5	mg/kg
LT-G-028-0-2-20140224	480-55212-4	NICKEL	3/4/2014	33.5	Yes	Y				31.9	0.29	mg/kg
LT-G-028-0-2-20140224	480-55212-4	BARIUM	3/4/2014	196	Yes	Y		J	J	3.2	0.14	mg/kg
LT-G-028-0-2-20140224	480-55212-4	MAGNESIUM	3/4/2014	6410	Yes	Y				127	1.2	mg/kg
LT-G-028-0-2-20140224	480-55212-4	ALUMINUM	3/4/2014	16400	Yes	Y				63.7	5.6	mg/kg
LT-G-028-0-2-20140224	480-55212-4	IRON	3/4/2014	23500	Yes	Y	B	J	J	63.7	1.4	mg/kg
LT-G-028-0-2-20140224	480-55212-4	COPPER	3/4/2014	25.6	Yes	Y				6.4	0.27	mg/kg
LT-G-028-0-2-20140224	480-55212-4	COBALT	3/4/2014	18.3	Yes	Y				3.2	0.064	mg/kg
LT-G-028-0-2-20140224	480-55212-4	CHROMIUM, TOTAL	3/4/2014	34.3	Yes	Y				3.2	0.25	mg/kg
LT-G-028-0-2-20140224	480-55212-4	CALCIUM	3/4/2014	2130	Yes	Y	B	J	J	319	4.2	mg/kg
LT-G-028-0-2-20140224	480-55212-4	BERYLLIUM	3/4/2014	0.88	Yes	Y	J		J	1.3	0.036	mg/kg
LT-G-028-0-2-20140224	480-55212-4	ARSENIC	3/4/2014	3.7	Yes	Y	J		J	12.7	0.51	mg/kg
LT-G-028-0-2-20140224	480-55212-4	ANTIMONY	3/4/2014		Yes	N	U	UJ	UJ	95.6	0.51	mg/kg
LT-G-028-0-2-20140224	480-55212-4	MANGANESE	3/4/2014	269	Yes	Y	B	J	J	1.3	0.041	mg/kg
LT-G-028-4-6-20140224	480-55212-5	VANADIUM	3/4/2014	20.4	Yes	Y				2.9	0.13	mg/kg
LT-G-028-4-6-20140224	480-55212-5	NICKEL	3/4/2014	16.7	Yes	Y	J		J	28.7	0.26	mg/kg
LT-G-028-4-6-20140224	480-55212-5	MAGNESIUM	3/4/2014	2980	Yes	Y				115	1.1	mg/kg
LT-G-028-4-6-20140224	480-55212-5	ALUMINUM	3/4/2014	7760	Yes	Y				57.4	5.0	mg/kg
LT-G-028-4-6-20140224	480-55212-5	ANTIMONY	3/4/2014		Yes	N	U	UJ	UJ	86.1	0.46	mg/kg

SDG: 480552121

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-028-4-6-20140224	480-55212-5	ARSENIC	3/4/2014	2.6	Yes	Y	J		J	11.5	0.46	mg/kg
LT-G-028-4-6-20140224	480-55212-5	SILVER	3/4/2014		Yes	N	U		U	2.9	0.23	mg/kg
LT-G-028-4-6-20140224	480-55212-5	SODIUM	3/4/2014	74.8	Yes	Y	J		J	803	14.9	mg/kg
LT-G-028-4-6-20140224	480-55212-5	THALLIUM	3/4/2014		Yes	N	U		U	34.4	0.34	mg/kg
LT-G-028-4-6-20140224	480-55212-5	MANGANESE	3/4/2014	161	Yes	Y	B	J	J	1.1	0.037	mg/kg
LT-G-028-4-6-20140224	480-55212-5	SELENIUM	3/4/2014		Yes	N	U		U	22.9	0.46	mg/kg
LT-G-028-4-6-20140224	480-55212-5	BARIUM	3/4/2014	50.3	Yes	Y		J	J	2.9	0.13	mg/kg
LT-G-028-4-6-20140224	480-55212-5	ZINC	3/4/2014	46.5	Yes	Y	B	J	J	11.5	0.18	mg/kg
LT-G-028-4-6-20140224	480-55212-5	LEAD	3/4/2014	8.3	Yes	Y				5.7	0.28	mg/kg
LT-G-028-4-6-20140224	480-55212-5	IRON	3/4/2014	11500	Yes	Y	B	J	J	57.4	1.3	mg/kg
LT-G-028-4-6-20140224	480-55212-5	COPPER	3/4/2014	15.2	Yes	Y				5.7	0.24	mg/kg
LT-G-028-4-6-20140224	480-55212-5	COBALT	3/4/2014	7.7	Yes	Y				2.9	0.057	mg/kg
LT-G-028-4-6-20140224	480-55212-5	CHROMIUM, TOTAL	3/4/2014	19.7	Yes	Y				2.9	0.23	mg/kg
LT-G-028-4-6-20140224	480-55212-5	CALCIUM	3/4/2014	1700	Yes	Y	B	J	J	287	3.8	mg/kg
LT-G-028-4-6-20140224	480-55212-5	CADMIUM	3/4/2014	0.078	Yes	Y	J		J	1.1	0.034	mg/kg
LT-G-028-4-6-20140224	480-55212-5	BERYLLIUM	3/4/2014	0.43	Yes	Y	J		J	1.1	0.032	mg/kg
LT-G-028-4-6-20140224	480-55212-5	POTASSIUM	3/4/2014	1180	Yes	Y				172	22.9	mg/kg
LT-G-028-8-10-20140224	480-55212-6	ARSENIC	3/4/2014	2.5	Yes	Y	J		J	11.3	0.45	mg/kg
LT-G-028-8-10-20140224	480-55212-6	BARIUM	3/4/2014	79	Yes	Y		J	J	2.8	0.12	mg/kg
LT-G-028-8-10-20140224	480-55212-6	CHROMIUM, TOTAL	3/4/2014	20.2	Yes	Y				2.8	0.23	mg/kg
LT-G-028-8-10-20140224	480-55212-6	SELENIUM	3/4/2014		Yes	N	U		U	22.6	0.45	mg/kg
LT-G-028-8-10-20140224	480-55212-6	BERYLLIUM	3/4/2014	0.67	Yes	Y	J		J	1.1	0.032	mg/kg
LT-G-028-8-10-20140224	480-55212-6	CADMIUM	3/4/2014	0.12	Yes	Y	J		J	1.1	0.034	mg/kg
LT-G-028-8-10-20140224	480-55212-6	ALUMINUM	3/4/2014	10300	Yes	Y				56.5	5.0	mg/kg
LT-G-028-8-10-20140224	480-55212-6	ZINC	3/4/2014	49.8	Yes	Y	B	J	J	11.3	0.17	mg/kg

SDG: 480552121

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-028-8-10-20140224	480-55212-6	VANADIUM	3/4/2014	26.8	Yes	Y				2.8	0.12	mg/kg
LT-G-028-8-10-20140224	480-55212-6	THALLIUM	3/4/2014		Yes	N	U		U	33.9	0.34	mg/kg
LT-G-028-8-10-20140224	480-55212-6	SILVER	3/4/2014		Yes	N	U		U	2.8	0.23	mg/kg
LT-G-028-8-10-20140224	480-55212-6	POTASSIUM	3/4/2014	2270	Yes	Y				169	22.6	mg/kg
LT-G-028-8-10-20140224	480-55212-6	NICKEL	3/4/2014	24.1	Yes	Y	J		J	28.2	0.26	mg/kg
LT-G-028-8-10-20140224	480-55212-6	MANGANESE	3/4/2014	1100	Yes	Y	B	J	J	1.1	0.036	mg/kg
LT-G-028-8-10-20140224	480-55212-6	ANTIMONY	3/4/2014		Yes	N	U	UJ	UJ	84.7	0.45	mg/kg
LT-G-028-8-10-20140224	480-55212-6	LEAD	3/4/2014	11.4	Yes	Y				5.6	0.27	mg/kg
LT-G-028-8-10-20140224	480-55212-6	IRON	3/4/2014	30800	Yes	Y	B	J	J	56.5	1.2	mg/kg
LT-G-028-8-10-20140224	480-55212-6	COPPER	3/4/2014	21.4	Yes	Y				5.6	0.24	mg/kg
LT-G-028-8-10-20140224	480-55212-6	COBALT	3/4/2014	11.4	Yes	Y				2.8	0.056	mg/kg
LT-G-028-8-10-20140224	480-55212-6	CALCIUM	3/4/2014	4130	Yes	Y	B	J	J	282	3.7	mg/kg
LT-G-028-8-10-20140224	480-55212-6	MAGNESIUM	3/4/2014	5710	Yes	Y				113	1.0	mg/kg
LT-G-028-8-10-20140224	480-55212-6	SODIUM	3/4/2014	116	Yes	Y	J		J	791	14.7	mg/kg
LT-G-029-0-2-20140224	480-55212-7	SODIUM	3/4/2014	30.4	Yes	Y	J		J	813	15.1	mg/kg
LT-G-029-0-2-20140224	480-55212-7	SILVER	3/4/2014		Yes	N	U		U	2.9	0.23	mg/kg
LT-G-029-0-2-20140224	480-55212-7	SELENIUM	3/4/2014		Yes	N	U		U	23.2	0.46	mg/kg
LT-G-029-0-2-20140224	480-55212-7	CHROMIUM, TOTAL	3/4/2014	11.1	Yes	Y				2.9	0.23	mg/kg
LT-G-029-0-2-20140224	480-55212-7	POTASSIUM	3/4/2014	761	Yes	Y				174	23.2	mg/kg
LT-G-029-0-2-20140224	480-55212-7	NICKEL	3/4/2014	7	Yes	Y	J		J	29.0	0.27	mg/kg
LT-G-029-0-2-20140224	480-55212-7	CALCIUM	3/4/2014	523	Yes	Y	B	J	J	290	3.8	mg/kg
LT-G-029-0-2-20140224	480-55212-7	CADMIUM	3/4/2014	0.087	Yes	Y	J		J	1.2	0.035	mg/kg
LT-G-029-0-2-20140224	480-55212-7	THALLIUM	3/4/2014		Yes	N	U		U	34.8	0.35	mg/kg
LT-G-029-0-2-20140224	480-55212-7	MAGNESIUM	3/4/2014	1340	Yes	Y				116	1.1	mg/kg
LT-G-029-0-2-20140224	480-55212-7	BERYLLIUM	3/4/2014	0.19	Yes	Y	J		J	1.2	0.033	mg/kg

SDG: 480552121

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-029-0-2-20140224	480-55212-7	VANADIUM	3/4/2014	15.6	Yes	Y				2.9	0.13	mg/kg
LT-G-029-0-2-20140224	480-55212-7	COPPER	3/4/2014	8.3	Yes	Y				5.8	0.24	mg/kg
LT-G-029-0-2-20140224	480-55212-7	ZINC	3/4/2014	21.2	Yes	Y	B	J	J	11.6	0.18	mg/kg
LT-G-029-0-2-20140224	480-55212-7	IRON	3/4/2014	9740	Yes	Y	B	J	J	58.0	1.3	mg/kg
LT-G-029-0-2-20140224	480-55212-7	MANGANESE	3/4/2014	198	Yes	Y	B	J	J	1.2	0.037	mg/kg
LT-G-029-0-2-20140224	480-55212-7	ANTIMONY	3/4/2014	0.66	Yes	Y	J	J	J	87.1	0.46	mg/kg
LT-G-029-0-2-20140224	480-55212-7	COBALT	3/4/2014	5.1	Yes	Y				2.9	0.058	mg/kg
LT-G-029-0-2-20140224	480-55212-7	LEAD	3/4/2014	6.7	Yes	Y				5.8	0.28	mg/kg
LT-G-029-0-2-20140224	480-55212-7	ARSENIC	3/4/2014	3	Yes	Y	J		J	11.6	0.46	mg/kg
LT-G-029-0-2-20140224	480-55212-7	ALUMINUM	3/4/2014	6000	Yes	Y				58.0	5.1	mg/kg
LT-G-029-0-2-20140224	480-55212-7	BARIUM	3/4/2014	29.1	Yes	Y		J	J	2.9	0.13	mg/kg
LT-G-029-2-4-20140224	480-55212-8	COBALT	3/4/2014	6.2	Yes	Y				3.0	0.060	mg/kg
LT-G-029-2-4-20140224	480-55212-8	THALLIUM	3/4/2014		Yes	N	U		U	35.9	0.36	mg/kg
LT-G-029-2-4-20140224	480-55212-8	SILVER	3/4/2014		Yes	N	U		U	3.0	0.24	mg/kg
LT-G-029-2-4-20140224	480-55212-8	SELENIUM	3/4/2014	0.51	Yes	Y	J		J	24.0	0.48	mg/kg
LT-G-029-2-4-20140224	480-55212-8	POTASSIUM	3/4/2014	1370	Yes	Y				180	24.0	mg/kg
LT-G-029-2-4-20140224	480-55212-8	NICKEL	3/4/2014	9.9	Yes	Y	J		J	29.9	0.28	mg/kg
LT-G-029-2-4-20140224	480-55212-8	MANGANESE	3/4/2014	225	Yes	Y	B	J	J	1.2	0.038	mg/kg
LT-G-029-2-4-20140224	480-55212-8	MAGNESIUM	3/4/2014	2050	Yes	Y				120	1.1	mg/kg
LT-G-029-2-4-20140224	480-55212-8	LEAD	3/4/2014	7.8	Yes	Y				6.0	0.29	mg/kg
LT-G-029-2-4-20140224	480-55212-8	ZINC	3/4/2014	27.3	Yes	Y	B	J	J	12.0	0.18	mg/kg
LT-G-029-2-4-20140224	480-55212-8	COPPER	3/4/2014	16	Yes	Y				6.0	0.25	mg/kg
LT-G-029-2-4-20140224	480-55212-8	VANADIUM	3/4/2014	17.7	Yes	Y				3.0	0.13	mg/kg
LT-G-029-2-4-20140224	480-55212-8	CHROMIUM, TOTAL	3/4/2014	13.4	Yes	Y				3.0	0.24	mg/kg
LT-G-029-2-4-20140224	480-55212-8	CALCIUM	3/4/2014	1250	Yes	Y	B	J	J	299	4.0	mg/kg

SDG: 480552121

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-029-2-4-20140224	480-55212-8	CADMIUM	3/4/2014	0.12	Yes	Y	J		J	1.2	0.036	mg/kg
LT-G-029-2-4-20140224	480-55212-8	BERYLLIUM	3/4/2014	0.29	Yes	Y	J		J	1.2	0.034	mg/kg
LT-G-029-2-4-20140224	480-55212-8	BARIUM	3/4/2014	45.7	Yes	Y		J	J	3.0	0.13	mg/kg
LT-G-029-2-4-20140224	480-55212-8	ARSENIC	3/4/2014	5	Yes	Y	J		J	12.0	0.48	mg/kg
LT-G-029-2-4-20140224	480-55212-8	ANTIMONY	3/4/2014	0.67	Yes	Y	J	J	J	89.8	0.48	mg/kg
LT-G-029-2-4-20140224	480-55212-8	ALUMINUM	3/4/2014	6420	Yes	Y				59.9	5.3	mg/kg
LT-G-029-2-4-20140224	480-55212-8	IRON	3/4/2014	12100	Yes	Y	B	J	J	59.9	1.3	mg/kg
LT-G-029-2-4-20140224	480-55212-8	SODIUM	3/4/2014	41.4	Yes	Y	J		J	839	15.6	mg/kg
LT-G-029-8-10-20140224	480-55212-9	COPPER	3/4/2014	6	Yes	Y				5.5	0.23	mg/kg
LT-G-029-8-10-20140224	480-55212-9	THALLIUM	3/4/2014		Yes	N	U		U	33.3	0.33	mg/kg
LT-G-029-8-10-20140224	480-55212-9	SODIUM	3/4/2014	24.3	Yes	Y	J		J	776	14.4	mg/kg
LT-G-029-8-10-20140224	480-55212-9	SILVER	3/4/2014		Yes	N	U		U	2.8	0.22	mg/kg
LT-G-029-8-10-20140224	480-55212-9	SELENIUM	3/4/2014		Yes	N	U		U	22.2	0.44	mg/kg
LT-G-029-8-10-20140224	480-55212-9	POTASSIUM	3/4/2014	408	Yes	Y				166	22.2	mg/kg
LT-G-029-8-10-20140224	480-55212-9	NICKEL	3/4/2014	4.1	Yes	Y	J		J	27.7	0.25	mg/kg
LT-G-029-8-10-20140224	480-55212-9	MANGANESE	3/4/2014	129	Yes	Y	B	J	J	1.1	0.035	mg/kg
LT-G-029-8-10-20140224	480-55212-9	MAGNESIUM	3/4/2014	630	Yes	Y				111	1.0	mg/kg
LT-G-029-8-10-20140224	480-55212-9	VANADIUM	3/4/2014	5.5	Yes	Y				2.8	0.12	mg/kg
LT-G-029-8-10-20140224	480-55212-9	ZINC	3/4/2014	8.4	Yes	Y	BJ	UJ	UJ	11.1	0.17	mg/kg
LT-G-029-8-10-20140224	480-55212-9	IRON	3/4/2014	4930	Yes	Y	B	J	J	55.4	1.2	mg/kg
LT-G-029-8-10-20140224	480-55212-9	CHROMIUM, TOTAL	3/4/2014	6.4	Yes	Y				2.8	0.22	mg/kg
LT-G-029-8-10-20140224	480-55212-9	CALCIUM	3/4/2014	233	Yes	Y	BJ	UJ	UJ	277	3.7	mg/kg
LT-G-029-8-10-20140224	480-55212-9	ALUMINUM	3/4/2014	2140	Yes	Y				55.4	4.9	mg/kg
LT-G-029-8-10-20140224	480-55212-9	CADMIUM	3/4/2014	0.054	Yes	Y	J		J	1.1	0.033	mg/kg
LT-G-029-8-10-20140224	480-55212-9	BERYLLIUM	3/4/2014	0.098	Yes	Y	J		J	1.1	0.031	mg/kg

SDG: 480552121

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-029-8-10-20140224	480-55212-9	BARIUM	3/4/2014	21.7	Yes	Y		J	J	2.8	0.12	mg/kg
LT-G-029-8-10-20140224	480-55212-9	ARSENIC	3/4/2014	1	Yes	Y	J		J	11.1	0.44	mg/kg
LT-G-029-8-10-20140224	480-55212-9	ANTIMONY	3/4/2014		Yes	N	U	UJ	UJ	83.1	0.44	mg/kg
LT-G-029-8-10-20140224	480-55212-9	LEAD	3/4/2014	1.7	Yes	Y	J		J	5.5	0.27	mg/kg
LT-G-029-8-10-20140224	480-55212-9	COBALT	3/4/2014	2.5	Yes	Y	J		J	2.8	0.055	mg/kg
LT-G-030-0-2-20140224	480-55212-12	SILVER	3/4/2014		Yes	N	U		U	2.8	0.22	mg/kg
LT-G-030-0-2-20140224	480-55212-12	ZINC	3/4/2014	40.3	Yes	Y	B	J	J	11.2	0.17	mg/kg
LT-G-030-0-2-20140224	480-55212-12	CALCIUM	3/4/2014	627	Yes	Y	B	J	J	280	3.7	mg/kg
LT-G-030-0-2-20140224	480-55212-12	CHROMIUM, TOTAL	3/4/2014	21.5	Yes	Y				2.8	0.22	mg/kg
LT-G-030-0-2-20140224	480-55212-12	COBALT	3/4/2014	13	Yes	Y				2.8	0.056	mg/kg
LT-G-030-0-2-20140224	480-55212-12	COPPER	3/4/2014	12.6	Yes	Y				5.6	0.24	mg/kg
LT-G-030-0-2-20140224	480-55212-12	IRON	3/4/2014	19300	Yes	Y	B	J	J	56.1	1.2	mg/kg
LT-G-030-0-2-20140224	480-55212-12	LEAD	3/4/2014	5.7	Yes	Y				5.6	0.27	mg/kg
LT-G-030-0-2-20140224	480-55212-12	MAGNESIUM	3/4/2014	2310	Yes	Y				112	1.0	mg/kg
LT-G-030-0-2-20140224	480-55212-12	MANGANESE	3/4/2014	727	Yes	Y	B	J	J	1.1	0.036	mg/kg
LT-G-030-0-2-20140224	480-55212-12	NICKEL	3/4/2014	11.9	Yes	Y	J		J	28.0	0.26	mg/kg
LT-G-030-0-2-20140224	480-55212-12	SELENIUM	3/4/2014	1.4	Yes	Y	J		J	22.4	0.45	mg/kg
LT-G-030-0-2-20140224	480-55212-12	CADMIUM	3/4/2014	0.18	Yes	Y	J		J	1.1	0.034	mg/kg
LT-G-030-0-2-20140224	480-55212-12	ALUMINUM	3/4/2014	8380	Yes	Y				56.1	4.9	mg/kg
LT-G-030-0-2-20140224	480-55212-12	ANTIMONY	3/4/2014	0.8	Yes	Y	J	J	J	84.1	0.45	mg/kg
LT-G-030-0-2-20140224	480-55212-12	ARSENIC	3/4/2014	4.1	Yes	Y	J		J	11.2	0.45	mg/kg
LT-G-030-0-2-20140224	480-55212-12	BARIUM	3/4/2014	41.2	Yes	Y		J	J	2.8	0.12	mg/kg
LT-G-030-0-2-20140224	480-55212-12	POTASSIUM	3/4/2014	824	Yes	Y				168	22.4	mg/kg
LT-G-030-0-2-20140224	480-55212-12	BERYLLIUM	3/4/2014	0.38	Yes	Y	J		J	1.1	0.031	mg/kg
LT-G-030-0-2-20140224	480-55212-12	SODIUM	3/4/2014	32.1	Yes	Y	J		J	785	14.6	mg/kg

SDG: 480552121

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-030-0-2-20140224	480-55212-12	VANADIUM	3/4/2014	22.6	Yes	Y				2.8	0.12	mg/kg
LT-G-030-0-2-20140224	480-55212-12	THALLIUM	3/4/2014		Yes	N	U		U	33.6	0.34	mg/kg
LT-G-030-4-6-20140224	480-55212-13	VANADIUM	3/4/2014	16.9	Yes	Y				2.9	0.13	mg/kg
LT-G-030-4-6-20140224	480-55212-13	THALLIUM	3/4/2014		Yes	N	U		U	35.0	0.35	mg/kg
LT-G-030-4-6-20140224	480-55212-13	MANGANESE	3/4/2014	629	Yes	Y	B	J	J	1.2	0.037	mg/kg
LT-G-030-4-6-20140224	480-55212-13	SILVER	3/4/2014		Yes	N	U		U	2.9	0.23	mg/kg
LT-G-030-4-6-20140224	480-55212-13	SODIUM	3/4/2014	37.3	Yes	Y	J		J	817	15.2	mg/kg
LT-G-030-4-6-20140224	480-55212-13	POTASSIUM	3/4/2014	896	Yes	Y				175	23.3	mg/kg
LT-G-030-4-6-20140224	480-55212-13	NICKEL	3/4/2014	13.7	Yes	Y	J		J	29.2	0.27	mg/kg
LT-G-030-4-6-20140224	480-55212-13	ZINC	3/4/2014	32.3	Yes	Y	B	J	J	11.7	0.18	mg/kg
LT-G-030-4-6-20140224	480-55212-13	BERYLLIUM	3/4/2014	0.23	Yes	Y	J		J	1.2	0.033	mg/kg
LT-G-030-4-6-20140224	480-55212-13	ALUMINUM	3/4/2014	5890	Yes	Y				58.4	5.1	mg/kg
LT-G-030-4-6-20140224	480-55212-13	ANTIMONY	3/4/2014	0.48	Yes	Y	J	J	J	87.5	0.47	mg/kg
LT-G-030-4-6-20140224	480-55212-13	SELENIUM	3/4/2014		Yes	N	U		U	23.3	0.47	mg/kg
LT-G-030-4-6-20140224	480-55212-13	BARIUM	3/4/2014	38.2	Yes	Y		J	J	2.9	0.13	mg/kg
LT-G-030-4-6-20140224	480-55212-13	MAGNESIUM	3/4/2014	1830	Yes	Y				117	1.1	mg/kg
LT-G-030-4-6-20140224	480-55212-13	CADMIUM	3/4/2014	0.22	Yes	Y	J		J	1.2	0.035	mg/kg
LT-G-030-4-6-20140224	480-55212-13	CALCIUM	3/4/2014	542	Yes	Y	B	J	J	292	3.9	mg/kg
LT-G-030-4-6-20140224	480-55212-13	COBALT	3/4/2014	10.6	Yes	Y				2.9	0.058	mg/kg
LT-G-030-4-6-20140224	480-55212-13	ARSENIC	3/4/2014	4.8	Yes	Y	J		J	11.7	0.47	mg/kg
LT-G-030-4-6-20140224	480-55212-13	CHROMIUM, TOTAL	3/4/2014	19.6	Yes	Y				2.9	0.23	mg/kg
LT-G-030-4-6-20140224	480-55212-13	IRON	3/4/2014	26800	Yes	Y	B	J	J	58.4	1.3	mg/kg
LT-G-030-4-6-20140224	480-55212-13	COPPER	3/4/2014	9.9	Yes	Y				5.8	0.25	mg/kg
LT-G-030-4-6-20140224	480-55212-13	LEAD	3/4/2014	3.4	Yes	Y	J		J	5.8	0.28	mg/kg
LT-G-030-6-8-20140224	480-55212-14	MAGNESIUM	3/4/2014	943	Yes	Y				118	1.1	mg/kg

SDG: 480552121

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-030-6-8-20140224	480-55212-14	LEAD	3/4/2014	2.7	Yes	Y	J		J	5.9	0.28	mg/kg
LT-G-030-6-8-20140224	480-55212-14	NICKEL	3/4/2014	11.8	Yes	Y	J		J	29.4	0.27	mg/kg
LT-G-030-6-8-20140224	480-55212-14	POTASSIUM	3/4/2014	788	Yes	Y				177	23.6	mg/kg
LT-G-030-6-8-20140224	480-55212-14	SELENIUM	3/4/2014		Yes	N	U		U	23.6	0.47	mg/kg
LT-G-030-6-8-20140224	480-55212-14	SILVER	3/4/2014		Yes	N	U		U	2.9	0.24	mg/kg
LT-G-030-6-8-20140224	480-55212-14	SODIUM	3/4/2014	21.7	Yes	Y	J		J	824	15.3	mg/kg
LT-G-030-6-8-20140224	480-55212-14	THALLIUM	3/4/2014		Yes	N	U		U	35.3	0.35	mg/kg
LT-G-030-6-8-20140224	480-55212-14	VANADIUM	3/4/2014	19.7	Yes	Y				2.9	0.13	mg/kg
LT-G-030-6-8-20140224	480-55212-14	MANGANESE	3/4/2014	231	Yes	Y	B	J	J	1.2	0.038	mg/kg
LT-G-030-6-8-20140224	480-55212-14	IRON	3/4/2014	28600	Yes	Y	B	J	J	58.9	1.3	mg/kg
LT-G-030-6-8-20140224	480-55212-14	COBALT	3/4/2014	2.8	Yes	Y	J		J	2.9	0.059	mg/kg
LT-G-030-6-8-20140224	480-55212-14	ZINC	3/4/2014	28.4	Yes	Y	B	J	J	11.8	0.18	mg/kg
LT-G-030-6-8-20140224	480-55212-14	CHROMIUM, TOTAL	3/4/2014	12	Yes	Y				2.9	0.24	mg/kg
LT-G-030-6-8-20140224	480-55212-14	CADMIUM	3/4/2014	0.18	Yes	Y	J		J	1.2	0.035	mg/kg
LT-G-030-6-8-20140224	480-55212-14	CALCIUM	3/4/2014	447	Yes	Y	B	J	J	294	3.9	mg/kg
LT-G-030-6-8-20140224	480-55212-14	BARIUM	3/4/2014	28	Yes	Y		J	J	2.9	0.13	mg/kg
LT-G-030-6-8-20140224	480-55212-14	ARSENIC	3/4/2014	4.6	Yes	Y	J		J	11.8	0.47	mg/kg
LT-G-030-6-8-20140224	480-55212-14	ANTIMONY	3/4/2014		Yes	N	U	UJ	UJ	88.3	0.47	mg/kg
LT-G-030-6-8-20140224	480-55212-14	ALUMINUM	3/4/2014	2890	Yes	Y				58.9	5.2	mg/kg
LT-G-030-6-8-20140224	480-55212-14	COPPER	3/4/2014	8.7	Yes	Y				5.9	0.25	mg/kg
LT-G-030-6-8-20140224	480-55212-14	BERYLLIUM	3/4/2014	0.43	Yes	Y	J		J	1.2	0.033	mg/kg
LT-G-031-0-2-20140224	480-55212-15	MANGANESE	3/4/2014	231	Yes	Y	B	J	J	1.2	0.038	mg/kg
LT-G-031-0-2-20140224	480-55212-15	ZINC	3/4/2014	26	Yes	Y	B	J	J	12.0	0.18	mg/kg
LT-G-031-0-2-20140224	480-55212-15	VANADIUM	3/4/2014	29.7	Yes	Y				3.0	0.13	mg/kg
LT-G-031-0-2-20140224	480-55212-15	THALLIUM	3/4/2014		Yes	N	U		U	35.9	0.36	mg/kg

SDG: 480552121

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-031-0-2-20140224	480-55212-15	SODIUM	3/4/2014	24.9	Yes	Y	J		J	837	15.5	mg/kg
LT-G-031-0-2-20140224	480-55212-15	SILVER	3/4/2014		Yes	N	U		U	3.0	0.24	mg/kg
LT-G-031-0-2-20140224	480-55212-15	SELENIUM	3/4/2014		Yes	N	U		U	23.9	0.48	mg/kg
LT-G-031-0-2-20140224	480-55212-15	NICKEL	3/4/2014	8	Yes	Y	J		J	29.9	0.27	mg/kg
LT-G-031-0-2-20140224	480-55212-15	MAGNESIUM	3/4/2014	1650	Yes	Y				120	1.1	mg/kg
LT-G-031-0-2-20140224	480-55212-15	LEAD	3/4/2014	7.2	Yes	Y				6.0	0.29	mg/kg
LT-G-031-0-2-20140224	480-55212-15	BERYLLIUM	3/4/2014	0.29	Yes	Y	J		J	1.2	0.033	mg/kg
LT-G-031-0-2-20140224	480-55212-15	ALUMINUM	3/4/2014	10500	Yes	Y				59.8	5.3	mg/kg
LT-G-031-0-2-20140224	480-55212-15	ANTIMONY	3/4/2014		Yes	N	U	UJ	UJ	89.6	0.48	mg/kg
LT-G-031-0-2-20140224	480-55212-15	POTASSIUM	3/4/2014	544	Yes	Y				179	23.9	mg/kg
LT-G-031-0-2-20140224	480-55212-15	BARIUM	3/4/2014	22.5	Yes	Y		J	J	3.0	0.13	mg/kg
LT-G-031-0-2-20140224	480-55212-15	IRON	3/4/2014	21900	Yes	Y	B	J	J	59.8	1.3	mg/kg
LT-G-031-0-2-20140224	480-55212-15	CADMIUM	3/4/2014	0.075	Yes	Y	J		J	1.2	0.036	mg/kg
LT-G-031-0-2-20140224	480-55212-15	CALCIUM	3/4/2014	518	Yes	Y	B	J	J	299	3.9	mg/kg
LT-G-031-0-2-20140224	480-55212-15	CHROMIUM, TOTAL	3/4/2014	22.2	Yes	Y				3.0	0.24	mg/kg
LT-G-031-0-2-20140224	480-55212-15	COBALT	3/4/2014	5.6	Yes	Y				3.0	0.060	mg/kg
LT-G-031-0-2-20140224	480-55212-15	COPPER	3/4/2014	11.7	Yes	Y				6.0	0.25	mg/kg
LT-G-031-0-2-20140224	480-55212-15	ARSENIC	3/4/2014	5.2	Yes	Y	J		J	12.0	0.48	mg/kg
LT-G-031-4-6-20140224	480-55212-16	IRON	3/4/2014	5150	Yes	Y	B	J	J	57.6	1.3	mg/kg
LT-G-031-4-6-20140224	480-55212-16	MANGANESE	3/4/2014	166	Yes	Y	B	J	J	1.2	0.037	mg/kg
LT-G-031-4-6-20140224	480-55212-16	ZINC	3/4/2014	8.4	Yes	Y	BJ	UJ	UJ	11.5	0.18	mg/kg
LT-G-031-4-6-20140224	480-55212-16	SODIUM	3/4/2014		Yes	N	U		U	807	15.0	mg/kg
LT-G-031-4-6-20140224	480-55212-16	SELENIUM	3/4/2014		Yes	N	U		U	23.1	0.46	mg/kg
LT-G-031-4-6-20140224	480-55212-16	NICKEL	3/4/2014	3.3	Yes	Y	J		J	28.8	0.27	mg/kg
LT-G-031-4-6-20140224	480-55212-16	MAGNESIUM	3/4/2014	466	Yes	Y				115	1.1	mg/kg

SDG: 480552121

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-031-4-6-20140224	480-55212-16	CHROMIUM, TOTAL	3/4/2014	5.9	Yes	Y				2.9	0.23	mg/kg
LT-G-031-4-6-20140224	480-55212-16	POTASSIUM	3/4/2014	339	Yes	Y				173	23.1	mg/kg
LT-G-031-4-6-20140224	480-55212-16	CALCIUM	3/4/2014	133	Yes	Y	BJ	UJ	UJ	288	3.8	mg/kg
LT-G-031-4-6-20140224	480-55212-16	COBALT	3/4/2014	2	Yes	Y	J		J	2.9	0.058	mg/kg
LT-G-031-4-6-20140224	480-55212-16	BARIUM	3/4/2014	11.5	Yes	Y		J	J	2.9	0.13	mg/kg
LT-G-031-4-6-20140224	480-55212-16	ARSENIC	3/4/2014	1.3	Yes	Y	J		J	11.5	0.46	mg/kg
LT-G-031-4-6-20140224	480-55212-16	ANTIMONY	3/4/2014		Yes	N	U	UJ	UJ	86.4	0.46	mg/kg
LT-G-031-4-6-20140224	480-55212-16	ALUMINUM	3/4/2014	2210	Yes	Y				57.6	5.1	mg/kg
LT-G-031-4-6-20140224	480-55212-16	LEAD	3/5/2014	1.7	Yes	Y	J		J	5.8	0.28	mg/kg
LT-G-031-4-6-20140224	480-55212-16	VANADIUM	3/5/2014	6.8	Yes	Y				2.9	0.13	mg/kg
LT-G-031-4-6-20140224	480-55212-16	SILVER	3/5/2014		Yes	N	U		U	2.9	0.23	mg/kg
LT-G-031-4-6-20140224	480-55212-16	COPPER	3/5/2014	4.1	Yes	Y	J		J	5.8	0.24	mg/kg
LT-G-031-4-6-20140224	480-55212-16	CADMIUM	3/5/2014		Yes	N	U		U	1.2	0.035	mg/kg
LT-G-031-4-6-20140224	480-55212-16	BERYLLIUM	3/5/2014	0.11	Yes	Y	J		J	1.2	0.032	mg/kg
LT-G-031-4-6-20140224	480-55212-16	THALLIUM	3/5/2014		Yes	N	U		U	34.6	0.35	mg/kg
LT-G-031-6-8-20140224	480-55212-17	ARSENIC	3/4/2014	1.2	Yes	Y	J		J	10.3	0.41	mg/kg
LT-G-031-6-8-20140224	480-55212-17	SODIUM	3/4/2014	16.2	Yes	Y	J		J	718	13.3	mg/kg
LT-G-031-6-8-20140224	480-55212-17	SILVER	3/4/2014		Yes	N	U		U	2.6	0.21	mg/kg
LT-G-031-6-8-20140224	480-55212-17	THALLIUM	3/4/2014		Yes	N	U		U	30.8	0.31	mg/kg
LT-G-031-6-8-20140224	480-55212-17	SELENIUM	3/4/2014		Yes	N	U		U	20.5	0.41	mg/kg
LT-G-031-6-8-20140224	480-55212-17	VANADIUM	3/4/2014	6	Yes	Y				2.6	0.11	mg/kg
LT-G-031-6-8-20140224	480-55212-17	POTASSIUM	3/4/2014	418	Yes	Y				154	20.5	mg/kg
LT-G-031-6-8-20140224	480-55212-17	NICKEL	3/4/2014	4.1	Yes	Y	J		J	25.6	0.24	mg/kg
LT-G-031-6-8-20140224	480-55212-17	MANGANESE	3/4/2014	270	Yes	Y	B	J	J	1.0	0.033	mg/kg
LT-G-031-6-8-20140224	480-55212-17	LEAD	3/4/2014	2	Yes	Y	J		J	5.1	0.25	mg/kg

SDG: 480552121

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-031-6-8-20140224	480-55212-17	COPPER	3/4/2014	3.4	Yes	Y	J		J	5.1	0.22	mg/kg
LT-G-031-6-8-20140224	480-55212-17	COBALT	3/4/2014	2.6	Yes	Y				2.6	0.051	mg/kg
LT-G-031-6-8-20140224	480-55212-17	CHROMIUM, TOTAL	3/4/2014	5	Yes	Y				2.6	0.21	mg/kg
LT-G-031-6-8-20140224	480-55212-17	CALCIUM	3/4/2014	165	Yes	Y	BJ	UJ	UJ	256	3.4	mg/kg
LT-G-031-6-8-20140224	480-55212-17	CADMIUM	3/4/2014	0.037	Yes	Y	J		J	1.0	0.031	mg/kg
LT-G-031-6-8-20140224	480-55212-17	BARIUM	3/4/2014	12.4	Yes	Y		J	J	2.6	0.11	mg/kg
LT-G-031-6-8-20140224	480-55212-17	ANTIMONY	3/4/2014		Yes	N	U	UJ	UJ	76.9	0.41	mg/kg
LT-G-031-6-8-20140224	480-55212-17	ALUMINUM	3/4/2014	2150	Yes	Y				51.3	4.5	mg/kg
LT-G-031-6-8-20140224	480-55212-17	ZINC	3/4/2014	9.1	Yes	Y	BJ	UJ	UJ	10.3	0.16	mg/kg
LT-G-031-6-8-20140224	480-55212-17	MAGNESIUM	3/4/2014	531	Yes	Y				103	0.95	mg/kg
LT-G-031-6-8-20140224	480-55212-17	BERYLLIUM	3/4/2014	0.14	Yes	Y	J		J	1.0	0.029	mg/kg
LT-G-031-6-8-20140224	480-55212-17	IRON	3/4/2014	5680	Yes	Y	B	J	J	51.3	1.1	mg/kg
LT-G-032-0-2-20140224	480-55212-18	MANGANESE	3/5/2014	136	Yes	Y	B	J	J	1.1	0.036	mg/kg
LT-G-032-0-2-20140224	480-55212-18	ZINC	3/5/2014	29	Yes	Y	B	J	J	11.3	0.17	mg/kg
LT-G-032-0-2-20140224	480-55212-18	VANADIUM	3/5/2014	19.2	Yes	Y				2.8	0.12	mg/kg
LT-G-032-0-2-20140224	480-55212-18	THALLIUM	3/5/2014		Yes	N	U		U	33.8	0.34	mg/kg
LT-G-032-0-2-20140224	480-55212-18	SODIUM	3/5/2014	38.2	Yes	Y	J		J	788	14.6	mg/kg
LT-G-032-0-2-20140224	480-55212-18	SILVER	3/5/2014		Yes	N	U		U	2.8	0.23	mg/kg
LT-G-032-0-2-20140224	480-55212-18	ALUMINUM	3/5/2014	6870	Yes	Y				56.3	5.0	mg/kg
LT-G-032-0-2-20140224	480-55212-18	SELENIUM	3/5/2014		Yes	N	U		U	22.5	0.45	mg/kg
LT-G-032-0-2-20140224	480-55212-18	NICKEL	3/5/2014	12.2	Yes	Y	J		J	28.1	0.26	mg/kg
LT-G-032-0-2-20140224	480-55212-18	MAGNESIUM	3/5/2014	2440	Yes	Y				113	1.0	mg/kg
LT-G-032-0-2-20140224	480-55212-18	LEAD	3/5/2014	5.5	Yes	Y	J		J	5.6	0.27	mg/kg
LT-G-032-0-2-20140224	480-55212-18	BERYLLIUM	3/5/2014	0.37	Yes	Y	J		J	1.1	0.032	mg/kg
LT-G-032-0-2-20140224	480-55212-18	ANTIMONY	3/5/2014		Yes	N	U	UJ	UJ	84.4	0.45	mg/kg

SDG: 480552121

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-032-0-2-20140224	480-55212-18	POTASSIUM	3/5/2014	2600	Yes	Y				169	22.5	mg/kg
LT-G-032-0-2-20140224	480-55212-18	BARIUM	3/5/2014	49.1	Yes	Y		J	J	2.8	0.12	mg/kg
LT-G-032-0-2-20140224	480-55212-18	IRON	3/5/2014	8520	Yes	Y	B	J	J	56.3	1.2	mg/kg
LT-G-032-0-2-20140224	480-55212-18	CADMIUM	3/5/2014	0.062	Yes	Y	J		J	1.1	0.034	mg/kg
LT-G-032-0-2-20140224	480-55212-18	CALCIUM	3/5/2014	1130	Yes	Y	B	J	J	281	3.7	mg/kg
LT-G-032-0-2-20140224	480-55212-18	CHROMIUM, TOTAL	3/5/2014	25	Yes	Y				2.8	0.23	mg/kg
LT-G-032-0-2-20140224	480-55212-18	COBALT	3/5/2014	6.7	Yes	Y				2.8	0.056	mg/kg
LT-G-032-0-2-20140224	480-55212-18	COPPER	3/5/2014	10.1	Yes	Y				5.6	0.24	mg/kg
LT-G-032-0-2-20140224	480-55212-18	ARSENIC	3/5/2014	1.5	Yes	Y	J		J	11.3	0.45	mg/kg
LT-G-032-4-6-20140224	480-55212-19	CALCIUM	3/5/2014	470	Yes	Y	B	J	J	267	3.5	mg/kg
LT-G-032-4-6-20140224	480-55212-19	MAGNESIUM	3/5/2014	870	Yes	Y				107	0.99	mg/kg
LT-G-032-4-6-20140224	480-55212-19	ALUMINUM	3/5/2014	3540	Yes	Y				53.4	4.7	mg/kg
LT-G-032-4-6-20140224	480-55212-19	ANTIMONY	3/5/2014		Yes	N	U	UJ	UJ	80.1	0.43	mg/kg
LT-G-032-4-6-20140224	480-55212-19	ARSENIC	3/5/2014	2.9	Yes	Y	J		J	10.7	0.43	mg/kg
LT-G-032-4-6-20140224	480-55212-19	BARIUM	3/5/2014	34.3	Yes	Y		J	J	2.7	0.12	mg/kg
LT-G-032-4-6-20140224	480-55212-19	BERYLLIUM	3/5/2014	0.25	Yes	Y	J		J	1.1	0.030	mg/kg
LT-G-032-4-6-20140224	480-55212-19	CADMIUM	3/5/2014	0.053	Yes	Y	J		J	1.1	0.032	mg/kg
LT-G-032-4-6-20140224	480-55212-19	SILVER	3/5/2014		Yes	N	U		U	2.7	0.21	mg/kg
LT-G-032-4-6-20140224	480-55212-19	VANADIUM	3/5/2014	15.2	Yes	Y				2.7	0.12	mg/kg
LT-G-032-4-6-20140224	480-55212-19	ZINC	3/5/2014	19	Yes	Y	B	J	J	10.7	0.16	mg/kg
LT-G-032-4-6-20140224	480-55212-19	IRON	3/5/2014	7950	Yes	Y	B	J	J	53.4	1.2	mg/kg
LT-G-032-4-6-20140224	480-55212-19	SODIUM	3/5/2014	31.1	Yes	Y	J		J	748	13.9	mg/kg
LT-G-032-4-6-20140224	480-55212-19	CHROMIUM, TOTAL	3/5/2014	12	Yes	Y				2.7	0.21	mg/kg
LT-G-032-4-6-20140224	480-55212-19	SELENIUM	3/5/2014		Yes	N	U		U	21.4	0.43	mg/kg
LT-G-032-4-6-20140224	480-55212-19	POTASSIUM	3/5/2014	1490	Yes	Y				160	21.4	mg/kg

SDG: 480552121

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-032-4-6-20140224	480-55212-19	NICKEL	3/5/2014	7.5	Yes	Y	J		J	26.7	0.25	mg/kg
LT-G-032-4-6-20140224	480-55212-19	MANGANESE	3/5/2014	90.3	Yes	Y	B	J	J	1.1	0.034	mg/kg
LT-G-032-4-6-20140224	480-55212-19	LEAD	3/5/2014	6	Yes	Y				5.3	0.26	mg/kg
LT-G-032-4-6-20140224	480-55212-19	COPPER	3/5/2014	13.8	Yes	Y				5.3	0.22	mg/kg
LT-G-032-4-6-20140224	480-55212-19	COBALT	3/5/2014	4.3	Yes	Y				2.7	0.053	mg/kg
LT-G-032-4-6-20140224	480-55212-19	THALLIUM	3/5/2014		Yes	N	U		U	32.1	0.32	mg/kg
LT-G-032-6-8-20140224	480-55212-20	SELENIUM	3/5/2014		Yes	N	U		U	22.5	0.45	mg/kg
LT-G-032-6-8-20140224	480-55212-20	CALCIUM	3/5/2014	447	Yes	Y	B	J	J	281	3.7	mg/kg
LT-G-032-6-8-20140224	480-55212-20	ALUMINUM	3/5/2014	3740	Yes	Y		J	J	56.2	4.9	mg/kg
LT-G-032-6-8-20140224	480-55212-20	ANTIMONY	3/5/2014		Yes	N	U	UJ	UJ	84.3	0.45	mg/kg
LT-G-032-6-8-20140224	480-55212-20	ARSENIC	3/5/2014	6.3	Yes	Y	J		J	11.2	0.45	mg/kg
LT-G-032-6-8-20140224	480-55212-20	BARIUM	3/5/2014	17.4	Yes	Y		J	J	2.8	0.12	mg/kg
LT-G-032-6-8-20140224	480-55212-20	BERYLLIUM	3/5/2014	1.7	Yes	Y		J	J	1.1	0.031	mg/kg
LT-G-032-6-8-20140224	480-55212-20	CADMIUM	3/5/2014	0.044	Yes	Y	J		J	1.1	0.034	mg/kg
LT-G-032-6-8-20140224	480-55212-20	VANADIUM	3/5/2014	31.7	Yes	Y		J	J	2.8	0.12	mg/kg
LT-G-032-6-8-20140224	480-55212-20	NICKEL	3/5/2014	58.2	Yes	Y	B	J	J	28.1	0.26	mg/kg
LT-G-032-6-8-20140224	480-55212-20	CHROMIUM, TOTAL	3/5/2014	18.3	Yes	Y	B	J	J	2.8	0.22	mg/kg
LT-G-032-6-8-20140224	480-55212-20	THALLIUM	3/5/2014		Yes	N	U		U	33.7	0.34	mg/kg
LT-G-032-6-8-20140224	480-55212-20	ZINC	3/5/2014	260	Yes	Y	B	J	J	11.2	0.17	mg/kg
LT-G-032-6-8-20140224	480-55212-20	SILVER	3/5/2014		Yes	N	U		U	2.8	0.22	mg/kg
LT-G-032-6-8-20140224	480-55212-20	POTASSIUM	3/5/2014	440	Yes	Y				169	22.5	mg/kg
LT-G-032-6-8-20140224	480-55212-20	MAGNESIUM	3/5/2014	1350	Yes	Y		J	J	112	1.0	mg/kg
LT-G-032-6-8-20140224	480-55212-20	LEAD	3/5/2014	15.5	Yes	Y				5.6	0.27	mg/kg
LT-G-032-6-8-20140224	480-55212-20	IRON	3/5/2014	6400	Yes	Y	B	J	J	56.2	1.2	mg/kg
LT-G-032-6-8-20140224	480-55212-20	COBALT	3/5/2014	46	Yes	Y		J	J	2.8	0.056	mg/kg

SDG: 480552121

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-032-6-8-20140224	480-55212-20	MANGANESE	3/5/2014	88.7	Yes	Y	B	J	J	1.1	0.036	mg/kg
LT-G-032-6-8-20140224	480-55212-20	SODIUM	3/5/2014	26.9	Yes	Y	J		J	787	14.6	mg/kg
LT-G-032-6-8-20140224	480-55212-20	COPPER	3/5/2014	17.1	Yes	Y		J	J	5.6	0.24	mg/kg
LT-G-033-0-2-20140224	480-55212-21	ANTIMONY	3/5/2014		Yes	N	U	UJ	UJ	86.2	0.46	mg/kg
LT-G-033-0-2-20140224	480-55212-21	CALCIUM	3/5/2014	196	Yes	Y	BJ	UJ	UJ	287	3.8	mg/kg
LT-G-033-0-2-20140224	480-55212-21	CADMIUM	3/5/2014	0.19	Yes	Y	J		J	1.1	0.034	mg/kg
LT-G-033-0-2-20140224	480-55212-21	BERYLLIUM	3/5/2014	0.24	Yes	Y	J	J	J	1.1	0.032	mg/kg
LT-G-033-0-2-20140224	480-55212-21	ARSENIC	3/5/2014	5.3	Yes	Y	J		J	11.5	0.46	mg/kg
LT-G-033-0-2-20140224	480-55212-21	ALUMINUM	3/5/2014	3190	Yes	Y		J	J	57.5	5.1	mg/kg
LT-G-033-0-2-20140224	480-55212-21	CHROMIUM, TOTAL	3/5/2014	9.2	Yes	Y	B	J	J	2.9	0.23	mg/kg
LT-G-033-0-2-20140224	480-55212-21	MANGANESE	3/5/2014	68	Yes	Y	B	J	J	1.1	0.037	mg/kg
LT-G-033-0-2-20140224	480-55212-21	BARIUM	3/5/2014	32.1	Yes	Y		J	J	2.9	0.13	mg/kg
LT-G-033-0-2-20140224	480-55212-21	COBALT	3/5/2014	3.1	Yes	Y		J	J	2.9	0.057	mg/kg
LT-G-033-0-2-20140224	480-55212-21	COPPER	3/5/2014	38.9	Yes	Y		J	J	5.7	0.24	mg/kg
LT-G-033-0-2-20140224	480-55212-21	IRON	3/5/2014	10600	Yes	Y	B	J	J	57.5	1.3	mg/kg
LT-G-033-0-2-20140224	480-55212-21	MAGNESIUM	3/5/2014	908	Yes	Y		J	J	115	1.1	mg/kg
LT-G-033-0-2-20140224	480-55212-21	NICKEL	3/5/2014	7.3	Yes	Y	BJ	UJ	UJ	28.7	0.26	mg/kg
LT-G-033-0-2-20140224	480-55212-21	POTASSIUM	3/5/2014	829	Yes	Y				172	23.0	mg/kg
LT-G-033-0-2-20140224	480-55212-21	SELENIUM	3/5/2014		Yes	N	U		U	23.0	0.46	mg/kg
LT-G-033-0-2-20140224	480-55212-21	ZINC	3/5/2014	27	Yes	Y	B	J	J	11.5	0.18	mg/kg
LT-G-033-0-2-20140224	480-55212-21	SILVER	3/5/2014		Yes	N	U		U	2.9	0.23	mg/kg
LT-G-033-0-2-20140224	480-55212-21	SODIUM	3/5/2014	22.1	Yes	Y	J		J	805	14.9	mg/kg
LT-G-033-0-2-20140224	480-55212-21	THALLIUM	3/5/2014		Yes	N	U		U	34.5	0.34	mg/kg
LT-G-033-0-2-20140224	480-55212-21	VANADIUM	3/5/2014	11.9	Yes	Y		J	J	2.9	0.13	mg/kg
LT-G-033-0-2-20140224	480-55212-21	LEAD	3/5/2014	5.6	Yes	Y	J		J	5.7	0.28	mg/kg

SDG: 480552121

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-033-2-4-20140224	480-55212-22	COBALT	3/5/2014	3	Yes	Y		J	J	2.8	0.057	mg/kg
LT-G-033-2-4-20140224	480-55212-22	VANADIUM	3/5/2014	12.1	Yes	Y		J	J	2.8	0.13	mg/kg
LT-G-033-2-4-20140224	480-55212-22	THALLIUM	3/5/2014		Yes	N	U		U	34.2	0.34	mg/kg
LT-G-033-2-4-20140224	480-55212-22	SODIUM	3/5/2014	19	Yes	Y	J		J	797	14.8	mg/kg
LT-G-033-2-4-20140224	480-55212-22	SILVER	3/5/2014		Yes	N	U		U	2.8	0.23	mg/kg
LT-G-033-2-4-20140224	480-55212-22	SELENIUM	3/5/2014		Yes	N	U		U	22.8	0.46	mg/kg
LT-G-033-2-4-20140224	480-55212-22	POTASSIUM	3/5/2014	489	Yes	Y				171	22.8	mg/kg
LT-G-033-2-4-20140224	480-55212-22	NICKEL	3/5/2014	6	Yes	Y	BJ	UJ	UJ	28.5	0.26	mg/kg
LT-G-033-2-4-20140224	480-55212-22	MANGANESE	3/5/2014	66.6	Yes	Y	B	J	J	1.1	0.036	mg/kg
LT-G-033-2-4-20140224	480-55212-22	ZINC	3/5/2014	32.3	Yes	Y	B	J	J	11.4	0.17	mg/kg
LT-G-033-2-4-20140224	480-55212-22	COPPER	3/5/2014	16.6	Yes	Y		J	J	5.7	0.24	mg/kg
LT-G-033-2-4-20140224	480-55212-22	MAGNESIUM	3/5/2014	466	Yes	Y		J	J	114	1.1	mg/kg
LT-G-033-2-4-20140224	480-55212-22	CHROMIUM, TOTAL	3/5/2014	8.4	Yes	Y	B	J	J	2.8	0.23	mg/kg
LT-G-033-2-4-20140224	480-55212-22	CALCIUM	3/5/2014	258	Yes	Y	BJ	UJ	UJ	285	3.8	mg/kg
LT-G-033-2-4-20140224	480-55212-22	CADMIUM	3/5/2014	0.35	Yes	Y	J		J	1.1	0.034	mg/kg
LT-G-033-2-4-20140224	480-55212-22	BERYLLIUM	3/5/2014	0.26	Yes	Y	J	J	J	1.1	0.032	mg/kg
LT-G-033-2-4-20140224	480-55212-22	BARIUM	3/5/2014	16.2	Yes	Y		J	J	2.8	0.13	mg/kg
LT-G-033-2-4-20140224	480-55212-22	ARSENIC	3/5/2014	2	Yes	Y	J		J	11.4	0.46	mg/kg
LT-G-033-2-4-20140224	480-55212-22	ANTIMONY	3/5/2014		Yes	N	U	UJ	UJ	85.4	0.46	mg/kg
LT-G-033-2-4-20140224	480-55212-22	ALUMINUM	3/5/2014	2020	Yes	Y		J	J	57.0	5.0	mg/kg
LT-G-033-2-4-20140224	480-55212-22	LEAD	3/5/2014	4.2	Yes	Y	J		J	5.7	0.27	mg/kg
LT-G-033-2-4-20140224	480-55212-22	IRON	3/5/2014	5670	Yes	Y	B	J	J	57.0	1.3	mg/kg
LT-G-033-6-8-20140224	480-55212-23	LEAD	3/5/2014	4.7	Yes	Y	J		J	5.3	0.26	mg/kg
LT-G-033-6-8-20140224	480-55212-23	COPPER	3/5/2014	11.3	Yes	Y		J	J	5.3	0.22	mg/kg
LT-G-033-6-8-20140224	480-55212-23	IRON	3/5/2014	9110	Yes	Y	B	J	J	53.3	1.2	mg/kg

SDG: 480552121

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-033-6-8-20140224	480-55212-23	ALUMINUM	3/5/2014	2040	Yes	Y		J	J	53.3	4.7	mg/kg
LT-G-033-6-8-20140224	480-55212-23	MAGNESIUM	3/5/2014	552	Yes	Y		J	J	107	0.99	mg/kg
LT-G-033-6-8-20140224	480-55212-23	MANGANESE	3/5/2014	120	Yes	Y	B	J	J	1.1	0.034	mg/kg
LT-G-033-6-8-20140224	480-55212-23	NICKEL	3/5/2014	10.8	Yes	Y	BJ	UJ	UJ	26.7	0.25	mg/kg
LT-G-033-6-8-20140224	480-55212-23	POTASSIUM	3/5/2014	556	Yes	Y				160	21.3	mg/kg
LT-G-033-6-8-20140224	480-55212-23	SELENIUM	3/5/2014		Yes	N	U		U	21.3	0.43	mg/kg
LT-G-033-6-8-20140224	480-55212-23	SILVER	3/5/2014		Yes	N	U		U	2.7	0.21	mg/kg
LT-G-033-6-8-20140224	480-55212-23	SODIUM	3/5/2014	23.3	Yes	Y	J		J	747	13.9	mg/kg
LT-G-033-6-8-20140224	480-55212-23	THALLIUM	3/5/2014		Yes	N	U		U	32.0	0.32	mg/kg
LT-G-033-6-8-20140224	480-55212-23	BARIUM	3/5/2014	17.6	Yes	Y		J	J	2.7	0.12	mg/kg
LT-G-033-6-8-20140224	480-55212-23	ANTIMONY	3/5/2014		Yes	N	U	UJ	UJ	80.0	0.43	mg/kg
LT-G-033-6-8-20140224	480-55212-23	ARSENIC	3/5/2014	1.9	Yes	Y	J		J	10.7	0.43	mg/kg
LT-G-033-6-8-20140224	480-55212-23	BERYLLIUM	3/5/2014	0.47	Yes	Y	J	J	J	1.1	0.030	mg/kg
LT-G-033-6-8-20140224	480-55212-23	CADMIUM	3/5/2014	0.044	Yes	Y	J		J	1.1	0.032	mg/kg
LT-G-033-6-8-20140224	480-55212-23	CALCIUM	3/5/2014	368	Yes	Y	B	J	J	267	3.5	mg/kg
LT-G-033-6-8-20140224	480-55212-23	CHROMIUM, TOTAL	3/5/2014	7.6	Yes	Y	B	J	J	2.7	0.21	mg/kg
LT-G-033-6-8-20140224	480-55212-23	COBALT	3/5/2014	6.1	Yes	Y		J	J	2.7	0.053	mg/kg
LT-G-033-6-8-20140224	480-55212-23	ZINC	3/5/2014	28.2	Yes	Y	B	J	J	10.7	0.16	mg/kg
LT-G-033-6-8-20140224	480-55212-23	VANADIUM	3/5/2014	10.7	Yes	Y		J	J	2.7	0.12	mg/kg
LT-G-034-0-2-20140224	480-55212-24	BERYLLIUM	3/5/2014	0.14	Yes	Y	J	J	J	1.0	0.028	mg/kg
LT-G-034-0-2-20140224	480-55212-24	VANADIUM	3/5/2014	12.4	Yes	Y		J	J	2.5	0.11	mg/kg
LT-G-034-0-2-20140224	480-55212-24	IRON	3/5/2014	4950	Yes	Y	B	J	J	50.1	1.1	mg/kg
LT-G-034-0-2-20140224	480-55212-24	SODIUM	3/5/2014	30.7	Yes	Y	J		J	702	13.0	mg/kg
LT-G-034-0-2-20140224	480-55212-24	SILVER	3/5/2014		Yes	N	U		U	2.5	0.20	mg/kg
LT-G-034-0-2-20140224	480-55212-24	SELENIUM	3/5/2014		Yes	N	U		U	20.1	0.40	mg/kg

SDG: 480552121

Analytical Method SW6010C

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-034-0-2-20140224	480-55212-24	POTASSIUM	3/5/2014	506	Yes	Y				150	20.1	mg/kg
LT-G-034-0-2-20140224	480-55212-24	MANGANESE	3/5/2014	56.5	Yes	Y	B	J	J	1.0	0.032	mg/kg
LT-G-034-0-2-20140224	480-55212-24	LEAD	3/5/2014	4.5	Yes	Y	J		J	5.0	0.24	mg/kg
LT-G-034-0-2-20140224	480-55212-24	THALLIUM	3/5/2014		Yes	N	U		U	30.1	0.30	mg/kg
LT-G-034-0-2-20140224	480-55212-24	COPPER	3/5/2014	7.6	Yes	Y		J	J	5.0	0.21	mg/kg
LT-G-034-0-2-20140224	480-55212-24	COBALT	3/5/2014	3	Yes	Y		J	J	2.5	0.050	mg/kg
LT-G-034-0-2-20140224	480-55212-24	CHROMIUM, TOTAL	3/5/2014	10.1	Yes	Y	B	J	J	2.5	0.20	mg/kg
LT-G-034-0-2-20140224	480-55212-24	ALUMINUM	3/5/2014	4190	Yes	Y		J	J	50.1	4.4	mg/kg
LT-G-034-0-2-20140224	480-55212-24	CADMIUM	3/5/2014	0.033	Yes	Y	J		J	1.0	0.030	mg/kg
LT-G-034-0-2-20140224	480-55212-24	ZINC	3/5/2014	14.4	Yes	Y	B	J	J	10.0	0.15	mg/kg
LT-G-034-0-2-20140224	480-55212-24	BARIUM	3/5/2014	41.2	Yes	Y		J	J	2.5	0.11	mg/kg
LT-G-034-0-2-20140224	480-55212-24	ARSENIC	3/5/2014	1.4	Yes	Y	J		J	10.0	0.40	mg/kg
LT-G-034-0-2-20140224	480-55212-24	ANTIMONY	3/5/2014		Yes	N	U	UJ	UJ	75.2	0.40	mg/kg
LT-G-034-0-2-20140224	480-55212-24	NICKEL	3/5/2014	10.8	Yes	Y	BJ	UJ	UJ	25.1	0.23	mg/kg
LT-G-034-0-2-20140224	480-55212-24	CALCIUM	3/5/2014	565	Yes	Y	B	J	J	251	3.3	mg/kg
LT-G-034-0-2-20140224	480-55212-24	MAGNESIUM	3/5/2014	1270	Yes	Y		J	J	100	0.93	mg/kg
LT-G-034-2-4-20140224	480-55212-25	ZINC	3/5/2014	41.4	Yes	Y	B	J	J	11.6	0.18	mg/kg
LT-G-034-2-4-20140224	480-55212-25	MANGANESE	3/5/2014	114	Yes	Y	B	J	J	1.2	0.037	mg/kg
LT-G-034-2-4-20140224	480-55212-25	MAGNESIUM	3/5/2014	1960	Yes	Y		J	J	116	1.1	mg/kg
LT-G-034-2-4-20140224	480-55212-25	LEAD	3/5/2014	4.6	Yes	Y	J		J	5.8	0.28	mg/kg
LT-G-034-2-4-20140224	480-55212-25	IRON	3/5/2014	13700	Yes	Y	B	J	J	58.2	1.3	mg/kg
LT-G-034-2-4-20140224	480-55212-25	COPPER	3/5/2014	6.7	Yes	Y		J	J	5.8	0.24	mg/kg
LT-G-034-2-4-20140224	480-55212-25	COBALT	3/5/2014	20.2	Yes	Y		J	J	2.9	0.058	mg/kg
LT-G-034-2-4-20140224	480-55212-25	CHROMIUM, TOTAL	3/5/2014	12.3	Yes	Y	B	J	J	2.9	0.23	mg/kg
LT-G-034-2-4-20140224	480-55212-25	NICKEL	3/5/2014	21.1	Yes	Y	BJ	UJ	UJ	29.1	0.27	mg/kg

SDG: 480552121

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-034-2-4-20140224	480-55212-25	CADMIUM	3/5/2014	0.077	Yes	Y	J		J	1.2	0.035	mg/kg
LT-G-034-2-4-20140224	480-55212-25	BERYLLIUM	3/5/2014	0.29	Yes	Y	J	J	J	1.2	0.033	mg/kg
LT-G-034-2-4-20140224	480-55212-25	BARIUM	3/5/2014	36.9	Yes	Y		J	J	2.9	0.13	mg/kg
LT-G-034-2-4-20140224	480-55212-25	ANTIMONY	3/5/2014		Yes	N	U	UJ	UJ	87.3	0.47	mg/kg
LT-G-034-2-4-20140224	480-55212-25	VANADIUM	3/5/2014	15.3	Yes	Y		J	J	2.9	0.13	mg/kg
LT-G-034-2-4-20140224	480-55212-25	THALLIUM	3/5/2014		Yes	N	U		U	34.9	0.35	mg/kg
LT-G-034-2-4-20140224	480-55212-25	ALUMINUM	3/5/2014	5220	Yes	Y		J	J	58.2	5.1	mg/kg
LT-G-034-2-4-20140224	480-55212-25	SODIUM	3/5/2014	38.6	Yes	Y	J		J	815	15.1	mg/kg
LT-G-034-2-4-20140224	480-55212-25	CALCIUM	3/5/2014	838	Yes	Y	B	J	J	291	3.8	mg/kg
LT-G-034-2-4-20140224	480-55212-25	SELENIUM	3/5/2014		Yes	N	U		U	23.3	0.47	mg/kg
LT-G-034-2-4-20140224	480-55212-25	ARSENIC	3/5/2014	11.6	Yes	Y				11.6	0.47	mg/kg
LT-G-034-2-4-20140224	480-55212-25	SILVER	3/5/2014		Yes	N	U		U	2.9	0.23	mg/kg
LT-G-034-2-4-20140224	480-55212-25	POTASSIUM	3/5/2014	904	Yes	Y				175	23.3	mg/kg
LT-G-034-6-8-20140224	480-55212-26	SILVER	3/5/2014		Yes	N	U		U	2.9	0.23	mg/kg
LT-G-034-6-8-20140224	480-55212-26	SODIUM	3/5/2014	51	Yes	Y	J		J	821	15.3	mg/kg
LT-G-034-6-8-20140224	480-55212-26	SELENIUM	3/5/2014		Yes	N	U		U	23.5	0.47	mg/kg
LT-G-034-6-8-20140224	480-55212-26	LEAD	3/5/2014	5.5	Yes	Y	J		J	5.9	0.28	mg/kg
LT-G-034-6-8-20140224	480-55212-26	POTASSIUM	3/5/2014	1210	Yes	Y				176	23.5	mg/kg
LT-G-034-6-8-20140224	480-55212-26	MAGNESIUM	3/5/2014	2780	Yes	Y		J	J	117	1.1	mg/kg
LT-G-034-6-8-20140224	480-55212-26	NICKEL	3/5/2014	131	Yes	Y	B	J	J	29.3	0.27	mg/kg
LT-G-034-6-8-20140224	480-55212-26	VANADIUM	3/5/2014	18.9	Yes	Y		J	J	2.9	0.13	mg/kg
LT-G-034-6-8-20140224	480-55212-26	BERYLLIUM	3/5/2014	0.16	Yes	Y	J	J	J	1.2	0.033	mg/kg
LT-G-034-6-8-20140224	480-55212-26	ZINC	3/5/2014	313	Yes	Y	B	J	J	11.7	0.18	mg/kg
LT-G-034-6-8-20140224	480-55212-26	MANGANESE	3/5/2014	99.2	Yes	Y	B	J	J	1.2	0.038	mg/kg
LT-G-034-6-8-20140224	480-55212-26	THALLIUM	3/5/2014	0.43	Yes	Y	J		J	35.2	0.35	mg/kg

SDG: 480552121

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-034-6-8-20140224	480-55212-26	CHROMIUM, TOTAL	3/5/2014	15	Yes	Y	B	J	J	2.9	0.23	mg/kg
LT-G-034-6-8-20140224	480-55212-26	BARIUM	3/5/2014	44.4	Yes	Y		J	J	2.9	0.13	mg/kg
LT-G-034-6-8-20140224	480-55212-26	ARSENIC	3/5/2014	8	Yes	Y	J		J	11.7	0.47	mg/kg
LT-G-034-6-8-20140224	480-55212-26	ANTIMONY	3/5/2014		Yes	N	U	UJ	UJ	88.0	0.47	mg/kg
LT-G-034-6-8-20140224	480-55212-26	ALUMINUM	3/5/2014	6530	Yes	Y		J	J	58.7	5.2	mg/kg
LT-G-034-6-8-20140224	480-55212-26	CADMIUM	3/5/2014	0.15	Yes	Y	J		J	1.2	0.035	mg/kg
LT-G-034-6-8-20140224	480-55212-26	CALCIUM	3/5/2014	1170	Yes	Y	B	J	J	293	3.9	mg/kg
LT-G-034-6-8-20140224	480-55212-26	IRON	3/5/2014	9690	Yes	Y	B	J	J	58.7	1.3	mg/kg
LT-G-034-6-8-20140224	480-55212-26	COBALT	3/5/2014	80.2	Yes	Y		J	J	2.9	0.059	mg/kg
LT-G-034-6-8-20140224	480-55212-26	COPPER	3/5/2014	11.5	Yes	Y		J	J	5.9	0.25	mg/kg
LT-G-035-0-2-20140224	480-55212-27	SELENIUM	3/5/2014		Yes	N	U		U	23.3	0.47	mg/kg
LT-G-035-0-2-20140224	480-55212-27	CALCIUM	3/5/2014	750	Yes	Y	B	J	J	292	3.9	mg/kg
LT-G-035-0-2-20140224	480-55212-27	BERYLLIUM	3/5/2014	0.37	Yes	Y	J	J	J	1.2	0.033	mg/kg
LT-G-035-0-2-20140224	480-55212-27	CADMIUM	3/5/2014	0.29	Yes	Y	J		J	1.2	0.035	mg/kg
LT-G-035-0-2-20140224	480-55212-27	ANTIMONY	3/5/2014		Yes	N	U	UJ	UJ	87.5	0.47	mg/kg
LT-G-035-0-2-20140224	480-55212-27	ARSENIC	3/5/2014	5.6	Yes	Y	J		J	11.7	0.47	mg/kg
LT-G-035-0-2-20140224	480-55212-27	COBALT	3/5/2014	9	Yes	Y		J	J	2.9	0.058	mg/kg
LT-G-035-0-2-20140224	480-55212-27	ALUMINUM	3/5/2014	5530	Yes	Y		J	J	58.3	5.1	mg/kg
LT-G-035-0-2-20140224	480-55212-27	VANADIUM	3/5/2014	20	Yes	Y		J	J	2.9	0.13	mg/kg
LT-G-035-0-2-20140224	480-55212-27	CHROMIUM, TOTAL	3/5/2014	15.8	Yes	Y	B	J	J	2.9	0.23	mg/kg
LT-G-035-0-2-20140224	480-55212-27	LEAD	3/5/2014	7.5	Yes	Y				5.8	0.28	mg/kg
LT-G-035-0-2-20140224	480-55212-27	BARIUM	3/5/2014	49.9	Yes	Y		J	J	2.9	0.13	mg/kg
LT-G-035-0-2-20140224	480-55212-27	MANGANESE	3/5/2014	284	Yes	Y	B	J	J	1.2	0.037	mg/kg
LT-G-035-0-2-20140224	480-55212-27	SODIUM	3/5/2014	38.4	Yes	Y	J		J	817	15.2	mg/kg
LT-G-035-0-2-20140224	480-55212-27	MAGNESIUM	3/5/2014	1900	Yes	Y		J	J	117	1.1	mg/kg

SDG: 480552121

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-035-0-2-20140224	480-55212-27	THALLIUM	3/5/2014		Yes	N	U		U	35.0	0.35	mg/kg
LT-G-035-0-2-20140224	480-55212-27	SILVER	3/5/2014		Yes	N	U		U	2.9	0.23	mg/kg
LT-G-035-0-2-20140224	480-55212-27	ZINC	3/5/2014	45	Yes	Y	B	J	J	11.7	0.18	mg/kg
LT-G-035-0-2-20140224	480-55212-27	IRON	3/5/2014	16500	Yes	Y	B	J	J	58.3	1.3	mg/kg
LT-G-035-0-2-20140224	480-55212-27	NICKEL	3/5/2014	13.5	Yes	Y	BJ	UJ	UJ	29.2	0.27	mg/kg
LT-G-035-0-2-20140224	480-55212-27	POTASSIUM	3/5/2014	1260	Yes	Y				175	23.3	mg/kg
LT-G-035-0-2-20140224	480-55212-27	COPPER	3/5/2014	29.3	Yes	Y		J	J	5.8	0.25	mg/kg
LT-G-035-2-4-20140224	480-55212-28	THALLIUM	3/5/2014		Yes	N	U		U	33.5	0.33	mg/kg
LT-G-035-2-4-20140224	480-55212-28	VANADIUM	3/5/2014	27.9	Yes	Y		J	J	2.8	0.12	mg/kg
LT-G-035-2-4-20140224	480-55212-28	ALUMINUM	3/5/2014	10500	Yes	Y		J	J	55.8	4.9	mg/kg
LT-G-035-2-4-20140224	480-55212-28	SODIUM	3/5/2014	61.6	Yes	Y	J		J	781	14.5	mg/kg
LT-G-035-2-4-20140224	480-55212-28	SILVER	3/5/2014		Yes	N	U		U	2.8	0.22	mg/kg
LT-G-035-2-4-20140224	480-55212-28	SELENIUM	3/5/2014		Yes	N	U		U	22.3	0.45	mg/kg
LT-G-035-2-4-20140224	480-55212-28	POTASSIUM	3/5/2014	2200	Yes	Y				167	22.3	mg/kg
LT-G-035-2-4-20140224	480-55212-28	NICKEL	3/5/2014	18.7	Yes	Y	BJ	UJ	UJ	27.9	0.26	mg/kg
LT-G-035-2-4-20140224	480-55212-28	MANGANESE	3/5/2014	284	Yes	Y	B	J	J	1.1	0.036	mg/kg
LT-G-035-2-4-20140224	480-55212-28	MAGNESIUM	3/5/2014	3890	Yes	Y		J	J	112	1.0	mg/kg
LT-G-035-2-4-20140224	480-55212-28	IRON	3/5/2014	19800	Yes	Y	B	J	J	55.8	1.2	mg/kg
LT-G-035-2-4-20140224	480-55212-28	ZINC	3/5/2014	63.1	Yes	Y	B	J	J	11.2	0.17	mg/kg
LT-G-035-2-4-20140224	480-55212-28	COPPER	3/5/2014	26.1	Yes	Y		J	J	5.6	0.23	mg/kg
LT-G-035-2-4-20140224	480-55212-28	COBALT	3/5/2014	10.5	Yes	Y		J	J	2.8	0.056	mg/kg
LT-G-035-2-4-20140224	480-55212-28	CHROMIUM, TOTAL	3/5/2014	22.5	Yes	Y	B	J	J	2.8	0.22	mg/kg
LT-G-035-2-4-20140224	480-55212-28	CALCIUM	3/5/2014	1190	Yes	Y	B	J	J	279	3.7	mg/kg
LT-G-035-2-4-20140224	480-55212-28	CADMIUM	3/5/2014	0.32	Yes	Y	J		J	1.1	0.033	mg/kg
LT-G-035-2-4-20140224	480-55212-28	BERYLLIUM	3/5/2014	0.61	Yes	Y	J	J	J	1.1	0.031	mg/kg

SDG: 480552121

Analytical Method		SW6010C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-035-2-4-20140224	480-55212-28	BARIUM	3/5/2014	72.2	Yes	Y		J	J	2.8	0.12	mg/kg
LT-G-035-2-4-20140224	480-55212-28	ARSENIC	3/5/2014	4.6	Yes	Y	J		J	11.2	0.45	mg/kg
LT-G-035-2-4-20140224	480-55212-28	ANTIMONY	3/5/2014		Yes	N	U	UJ	UJ	83.6	0.45	mg/kg
LT-G-035-2-4-20140224	480-55212-28	LEAD	3/5/2014	9	Yes	Y				5.6	0.27	mg/kg
LT-G-035-6-8-20140224	480-55212-29	LEAD	3/5/2014	5.6	Yes	Y	J		J	5.8	0.28	mg/kg
LT-G-035-6-8-20140224	480-55212-29	IRON	3/5/2014	11800	Yes	Y	B	J	J	58.0	1.3	mg/kg
LT-G-035-6-8-20140224	480-55212-29	ZINC	3/5/2014	80.8	Yes	Y	B	J	J	11.6	0.18	mg/kg
LT-G-035-6-8-20140224	480-55212-29	VANADIUM	3/5/2014	15.5	Yes	Y		J	J	2.9	0.13	mg/kg
LT-G-035-6-8-20140224	480-55212-29	THALLIUM	3/5/2014		Yes	N	U		U	34.8	0.35	mg/kg
LT-G-035-6-8-20140224	480-55212-29	SODIUM	3/5/2014	37.8	Yes	Y	J		J	812	15.1	mg/kg
LT-G-035-6-8-20140224	480-55212-29	SILVER	3/5/2014		Yes	N	U		U	2.9	0.23	mg/kg
LT-G-035-6-8-20140224	480-55212-29	POTASSIUM	3/5/2014	944	Yes	Y				174	23.2	mg/kg
LT-G-035-6-8-20140224	480-55212-29	MANGANESE	3/5/2014	123	Yes	Y	B	J	J	1.2	0.037	mg/kg
LT-G-035-6-8-20140224	480-55212-29	COPPER	3/5/2014	12.1	Yes	Y		J	J	5.8	0.24	mg/kg
LT-G-035-6-8-20140224	480-55212-29	NICKEL	3/5/2014	12.2	Yes	Y	BJ	UJ	UJ	29.0	0.27	mg/kg
LT-G-035-6-8-20140224	480-55212-29	ALUMINUM	3/5/2014	4750	Yes	Y		J	J	58.0	5.1	mg/kg
LT-G-035-6-8-20140224	480-55212-29	COBALT	3/5/2014	6.8	Yes	Y		J	J	2.9	0.058	mg/kg
LT-G-035-6-8-20140224	480-55212-29	CHROMIUM, TOTAL	3/5/2014	16.2	Yes	Y	B	J	J	2.9	0.23	mg/kg
LT-G-035-6-8-20140224	480-55212-29	CALCIUM	3/5/2014	790	Yes	Y	B	J	J	290	3.8	mg/kg
LT-G-035-6-8-20140224	480-55212-29	CADMIUM	3/5/2014	4.8	Yes	Y				1.2	0.035	mg/kg
LT-G-035-6-8-20140224	480-55212-29	BERYLLIUM	3/5/2014	0.47	Yes	Y	J	J	J	1.2	0.032	mg/kg
LT-G-035-6-8-20140224	480-55212-29	BARIUM	3/5/2014	39.9	Yes	Y		J	J	2.9	0.13	mg/kg
LT-G-035-6-8-20140224	480-55212-29	ARSENIC	3/5/2014	2.2	Yes	Y	J		J	11.6	0.46	mg/kg
LT-G-035-6-8-20140224	480-55212-29	ANTIMONY	3/5/2014		Yes	N	U	UJ	UJ	87.0	0.46	mg/kg
LT-G-035-6-8-20140224	480-55212-29	MAGNESIUM	3/5/2014	1810	Yes	Y		J	J	116	1.1	mg/kg

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Analytical Method SW6010C												
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-035-6-8-20140224	480-55212-29	SELENIUM	3/5/2014		Yes	N	U		U	23.2	0.46	mg/kg
Analytical Method SW7470A												
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801679921A	4801679921A	MERCURY	2/28/2014		Yes	N	U		U	0.00020	0.00012	mg/l
FB029-20140224	480-55212-30	MERCURY	2/28/2014		Yes	N	U		U	0.00020	0.00012	mg/l
Analytical Method SW7471B												
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801677931A	4801677931A	MERCURY	2/27/2014		Yes	N	U		U	0.019	0.0077	mg/kg
4801677941A	4801677941A	MERCURY	2/27/2014		Yes	N	U		U	0.020	0.0081	mg/kg
DUP029-20140224	480-55212-10	MERCURY	2/27/2014		Yes	N	U		U	0.022	0.0088	mg/kg
DUP030-20140224	480-55212-11	MERCURY	2/27/2014		Yes	N	U		U	0.023	0.0092	mg/kg
LT-C-060-0-2-20140224	480-55212-1	MERCURY	2/27/2014	0.051	Yes	Y				0.023	0.0094	mg/kg
LT-C-060-4-6-20140224	480-55212-2	MERCURY	2/27/2014		Yes	N	U		U	0.020	0.0080	mg/kg
LT-C-060-8-10-20140224	480-55212-3	MERCURY	2/27/2014		Yes	N	U		U	0.021	0.0086	mg/kg
LT-G-028-0-2-20140224	480-55212-4	MERCURY	2/27/2014	0.0093	Yes	Y	J		J	0.021	0.0086	mg/kg
LT-G-028-4-6-20140224	480-55212-5	MERCURY	2/27/2014		Yes	N	U		U	0.020	0.0083	mg/kg
LT-G-028-8-10-20140224	480-55212-6	MERCURY	2/27/2014		Yes	N	U		U	0.021	0.0085	mg/kg
LT-G-029-0-2-20140224	480-55212-7	MERCURY	2/27/2014	0.025	Yes	Y				0.022	0.0088	mg/kg
LT-G-029-2-4-20140224	480-55212-8	MERCURY	2/27/2014	0.011	Yes	Y	J		J	0.022	0.0088	mg/kg
LT-G-029-8-10-20140224	480-55212-9	MERCURY	2/27/2014		Yes	N	U		U	0.021	0.0085	mg/kg
LT-G-030-0-2-20140224	480-55212-12	MERCURY	2/27/2014	0.012	Yes	Y	J		J	0.020	0.0082	mg/kg
LT-G-030-4-6-20140224	480-55212-13	MERCURY	2/27/2014	0.01	Yes	Y	J		J	0.022	0.0090	mg/kg
LT-G-030-6-8-20140224	480-55212-14	MERCURY	2/27/2014	0.009	Yes	Y	J		J	0.022	0.0089	mg/kg
LT-G-031-0-2-20140224	480-55212-15	MERCURY	2/27/2014		Yes	N	U		U	0.021	0.0083	mg/kg

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Analytical Method		SW7471B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-031-4-6-20140224	480-55212-16	MERCURY	2/27/2014		Yes	N	U		U	0.020	0.0081	mg/kg
LT-G-031-6-8-20140224	480-55212-17	MERCURY	2/27/2014		Yes	N	U		U	0.023	0.0093	mg/kg
LT-G-032-0-2-20140224	480-55212-18	MERCURY	2/27/2014		Yes	N	U		U	0.020	0.0083	mg/kg
LT-G-032-4-6-20140224	480-55212-19	MERCURY	2/27/2014		Yes	N	U		U	0.020	0.0081	mg/kg
LT-G-032-6-8-20140224	480-55212-20	MERCURY	2/27/2014	0.012	Yes	Y	J		J	0.021	0.0084	mg/kg
LT-G-033-0-2-20140224	480-55212-21	MERCURY	2/27/2014		Yes	N	U		U	0.022	0.0087	mg/kg
LT-G-033-2-4-20140224	480-55212-22	MERCURY	2/27/2014		Yes	N	U		U	0.021	0.0085	mg/kg
LT-G-033-6-8-20140224	480-55212-23	MERCURY	2/27/2014		Yes	N	U		U	0.020	0.0082	mg/kg
LT-G-034-0-2-20140224	480-55212-24	MERCURY	2/27/2014		Yes	N	U		U	0.022	0.0089	mg/kg
LT-G-034-2-4-20140224	480-55212-25	MERCURY	2/27/2014		Yes	N	U		U	0.020	0.0081	mg/kg
LT-G-034-6-8-20140224	480-55212-26	MERCURY	2/27/2014		Yes	N	U		U	0.021	0.0083	mg/kg
LT-G-035-0-2-20140224	480-55212-27	MERCURY	2/27/2014		Yes	N	U		U	0.021	0.0085	mg/kg
LT-G-035-2-4-20140224	480-55212-28	MERCURY	2/27/2014	0.1	Yes	Y				0.020	0.0080	mg/kg
LT-G-035-6-8-20140224	480-55212-29	MERCURY	2/27/2014		Yes	N	U		U	0.020	0.0083	mg/kg

Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801678181A	4801678181A	DIELDIN	2/28/2014		Yes	N	U		U	1.6	0.39	ug/kg
4801678181A	4801678181A	P,P'-DDD	2/28/2014		Yes	N	U		U	1.6	0.32	ug/kg
4801678181A	4801678181A	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.6	0.22	ug/kg
4801678181A	4801678181A	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.6	0.42	ug/kg
4801678181A	4801678181A	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.6	0.25	ug/kg
4801678181A	4801678181A	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.6	0.52	ug/kg
4801678181A	4801678181A	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.6	0.20	ug/kg
4801678181A	4801678181A	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.6	0.40	ug/kg

SDG: 480552121

Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801678181A	4801678181A	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.6	0.42	ug/kg
4801678181A	4801678181A	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.6	0.30	ug/kg
4801678181A	4801678181A	TOXAPHENE	2/28/2014		Yes	N	U		U	16	9.5	ug/kg
4801678181A	4801678181A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.6	0.21	ug/kg
4801678181A	4801678181A	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.6	0.29	ug/kg
4801678181A	4801678181A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.6	0.18	ug/kg
4801678181A	4801678181A	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.6	0.20	ug/kg
4801678181A	4801678181A	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.6	0.81	ug/kg
4801678181A	4801678181A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.6	0.29	ug/kg
4801678181A	4801678181A	ALDRIN	2/28/2014		Yes	N	U		U	1.6	0.40	ug/kg
4801678181A	4801678181A	ENDRIN	2/28/2014		Yes	N	U		U	1.6	0.22	ug/kg
4801678181A	4801678181A	P,P'-DDT	2/28/2014		Yes	N	U		U	1.6	0.17	ug/kg
4801678181A	4801678181A	P,P'-DDE	2/28/2014		Yes	N	U		U	1.6	0.24	ug/kg
4801678191A	4801678191A	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.7	0.42	ug/kg
4801678191A	4801678191A	TOXAPHENE	2/28/2014		Yes	N	U		U	17	9.6	ug/kg
4801678191A	4801678191A	P,P'-DDT	2/28/2014		Yes	N	U		U	1.7	0.17	ug/kg
4801678191A	4801678191A	P,P'-DDE	2/28/2014		Yes	N	U		U	1.7	0.25	ug/kg
4801678191A	4801678191A	P,P'-DDD	2/28/2014		Yes	N	U		U	1.7	0.32	ug/kg
4801678191A	4801678191A	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.7	0.23	ug/kg
4801678191A	4801678191A	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.7	0.43	ug/kg
4801678191A	4801678191A	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.7	0.26	ug/kg
4801678191A	4801678191A	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.7	0.52	ug/kg
4801678191A	4801678191A	ALDRIN	2/28/2014		Yes	N	U		U	1.7	0.41	ug/kg
4801678191A	4801678191A	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.7	0.41	ug/kg

SDG: 480552121

Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801678191A	4801678191A	ENDRIN	2/28/2014		Yes	N	U		U	1.7	0.23	ug/kg
4801678191A	4801678191A	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.7	0.31	ug/kg
4801678191A	4801678191A	DIELDRIN	2/28/2014		Yes	N	U		U	1.7	0.40	ug/kg
4801678191A	4801678191A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.7	0.22	ug/kg
4801678191A	4801678191A	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.7	0.30	ug/kg
4801678191A	4801678191A	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.7	0.21	ug/kg
4801678191A	4801678191A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.7	0.30	ug/kg
4801678191A	4801678191A	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.7	0.82	ug/kg
4801678191A	4801678191A	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.7	0.20	ug/kg
4801678191A	4801678191A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.7	0.18	ug/kg
4801678491A	4801678491A	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	0.050	0.016	ug/l
4801678491A	4801678491A	P,P'-DDT	2/27/2014		Yes	N	U		U	0.050	0.011	ug/l
4801678491A	4801678491A	P,P'-DDE	2/27/2014		Yes	N	U		U	0.050	0.012	ug/l
4801678491A	4801678491A	P,P'-DDD	2/27/2014		Yes	N	U		U	0.050	0.0092	ug/l
4801678491A	4801678491A	METHOXYCHLOR	2/27/2014		Yes	N	U		U	0.050	0.014	ug/l
4801678491A	4801678491A	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	0.050	0.0053	ug/l
4801678491A	4801678491A	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	0.050	0.011	ug/l
4801678491A	4801678491A	ENDRIN KETONE	2/27/2014		Yes	N	U		U	0.050	0.012	ug/l
4801678491A	4801678491A	TOXAPHENE	2/27/2014		Yes	N	U		U	0.50	0.12	ug/l
4801678491A	4801678491A	ENDRIN	2/27/2014		Yes	N	U		U	0.050	0.014	ug/l
4801678491A	4801678491A	HEPTACHLOR	2/27/2014		Yes	N	U		U	0.050	0.0085	ug/l
4801678491A	4801678491A	DIELDRIN	2/27/2014		Yes	N	U		U	0.050	0.0098	ug/l
4801678491A	4801678491A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	0.050	0.010	ug/l

SDG: 480552121

Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801678491A	4801678491A	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	0.050	0.012	ug/l
4801678491A	4801678491A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	0.050	0.025	ug/l
4801678491A	4801678491A	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	0.050	0.011	ug/l
4801678491A	4801678491A	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	0.050	0.015	ug/l
4801678491A	4801678491A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	0.050	0.0066	ug/l
4801678491A	4801678491A	ALDRIN	2/27/2014		Yes	N	U		U	0.050	0.0066	ug/l
4801678491A	4801678491A	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	0.050	0.016	ug/l
4801678491A	4801678491A	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	0.050	0.0060	ug/l
4801680031A	4801680031A	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.6	0.21	ug/kg
4801680031A	4801680031A	ALDRIN	2/28/2014		Yes	N	U		U	1.6	0.40	ug/kg
4801680031A	4801680031A	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.6	0.29	ug/kg
4801680031A	4801680031A	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.6	0.81	ug/kg
4801680031A	4801680031A	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.6	0.20	ug/kg
4801680031A	4801680031A	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.6	0.29	ug/kg
4801680031A	4801680031A	DIELDRIN	2/28/2014		Yes	N	U		U	1.6	0.39	ug/kg
4801680031A	4801680031A	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.6	0.30	ug/kg
4801680031A	4801680031A	ENDRIN	2/28/2014		Yes	N	U		U	1.6	0.22	ug/kg
4801680031A	4801680031A	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.6	0.42	ug/kg
4801680031A	4801680031A	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.6	0.22	ug/kg
4801680031A	4801680031A	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.6	0.18	ug/kg
4801680031A	4801680031A	P,P'-DDD	2/28/2014		Yes	N	U		U	1.6	0.32	ug/kg
4801680031A	4801680031A	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.6	0.40	ug/kg
4801680031A	4801680031A	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.6	0.42	ug/kg

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801680031A	4801680031A	TOXAPHENE	2/28/2014		Yes	N	U		U	16	9.5	ug/kg
4801680031A	4801680031A	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.6	0.25	ug/kg
4801680031A	4801680031A	P,P'-DDT	2/28/2014		Yes	N	U		U	1.6	0.17	ug/kg
4801680031A	4801680031A	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.6	0.52	ug/kg
4801680031A	4801680031A	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.6	0.20	ug/kg
4801680031A	4801680031A	P,P'-DDE	2/28/2014		Yes	N	U		U	1.6	0.24	ug/kg
DUP029-20140224	480-55212-10	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
DUP029-20140224	480-55212-10	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
DUP029-20140224	480-55212-10	P,P'-DDE	2/28/2014		Yes	N	U		U	1.8	0.27	ug/kg
DUP029-20140224	480-55212-10	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.35	ug/kg
DUP029-20140224	480-55212-10	ALDRIN	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
DUP029-20140224	480-55212-10	P,P'-DDT	2/28/2014		Yes	N	U		U	1.8	0.18	ug/kg
DUP029-20140224	480-55212-10	TOXAPHENE	2/28/2014		Yes	N	U		U	18	10	ug/kg
DUP029-20140224	480-55212-10	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
DUP029-20140224	480-55212-10	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
DUP029-20140224	480-55212-10	DIELDRIN	2/28/2014		Yes	N	U		U	1.8	0.43	ug/kg
DUP029-20140224	480-55212-10	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.57	ug/kg
DUP029-20140224	480-55212-10	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
DUP029-20140224	480-55212-10	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
DUP029-20140224	480-55212-10	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
DUP029-20140224	480-55212-10	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
DUP029-20140224	480-55212-10	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014	0.58	Yes	Y	J		J	1.8	0.24	ug/kg
DUP029-20140224	480-55212-10	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
DUP029-20140224	480-55212-10	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014	0.53	Yes	Y	J		J	1.8	0.19	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP029-20140224	480-55212-10	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
DUP029-20140224	480-55212-10	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.8	0.28	ug/kg
DUP029-20140224	480-55212-10	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.89	ug/kg
DUP030-20140224	480-55212-11	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
DUP030-20140224	480-55212-11	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
DUP030-20140224	480-55212-11	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.90	ug/kg
DUP030-20140224	480-55212-11	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
DUP030-20140224	480-55212-11	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
DUP030-20140224	480-55212-11	ALDRIN	2/28/2014		Yes	N	U		U	1.8	0.45	ug/kg
DUP030-20140224	480-55212-11	DIELDRIN	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
DUP030-20140224	480-55212-11	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.34	ug/kg
DUP030-20140224	480-55212-11	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
DUP030-20140224	480-55212-11	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
DUP030-20140224	480-55212-11	P,P'-DDT	2/28/2014		Yes	N	U		U	1.8	0.19	ug/kg
DUP030-20140224	480-55212-11	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
DUP030-20140224	480-55212-11	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.58	ug/kg
DUP030-20140224	480-55212-11	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.8	0.28	ug/kg
DUP030-20140224	480-55212-11	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.8	0.47	ug/kg
DUP030-20140224	480-55212-11	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
DUP030-20140224	480-55212-11	TOXAPHENE	2/28/2014		Yes	N	U		U	18	11	ug/kg
DUP030-20140224	480-55212-11	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.35	ug/kg
DUP030-20140224	480-55212-11	P,P'-DDE	2/28/2014		Yes	N	U		U	1.8	0.27	ug/kg
DUP030-20140224	480-55212-11	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.45	ug/kg
DUP030-20140224	480-55212-11	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.20	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB029-20140224	480-55212-30	P,P'-DDE	2/27/2014		Yes	N	U		U	0.055	0.013	ug/l
FB029-20140224	480-55212-30	P,P'-DDD	2/27/2014		Yes	N	U		U	0.055	0.010	ug/l
FB029-20140224	480-55212-30	METHOXYCHLOR	2/27/2014		Yes	N	U		U	0.055	0.015	ug/l
FB029-20140224	480-55212-30	HEPTACHLOR EPOXIDE	2/27/2014		Yes	N	U		U	0.055	0.0058	ug/l
FB029-20140224	480-55212-30	HEPTACHLOR	2/27/2014		Yes	N	U		U	0.055	0.0093	ug/l
FB029-20140224	480-55212-30	GAMMA CHLORDANE	2/27/2014		Yes	N	U		U	0.055	0.012	ug/l
FB029-20140224	480-55212-30	GAMMA BHC (LINDANE)	2/27/2014		Yes	N	U		U	0.055	0.0066	ug/l
FB029-20140224	480-55212-30	ENDRIN ALDEHYDE	2/27/2014		Yes	N	U		U	0.055	0.018	ug/l
FB029-20140224	480-55212-30	P,P'-DDT	2/27/2014		Yes	N	U		U	0.055	0.012	ug/l
FB029-20140224	480-55212-30	ENDRIN KETONE	2/27/2014		Yes	N	U		U	0.055	0.013	ug/l
FB029-20140224	480-55212-30	ALDRIN	2/27/2014		Yes	N	U		U	0.055	0.0072	ug/l
FB029-20140224	480-55212-30	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	0.055	0.0072	ug/l
FB029-20140224	480-55212-30	ENDOSULFAN SULFATE	2/27/2014		Yes	N	U		U	0.055	0.017	ug/l
FB029-20140224	480-55212-30	DIELDRIN	2/27/2014		Yes	N	U		U	0.055	0.011	ug/l
FB029-20140224	480-55212-30	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	0.055	0.011	ug/l
FB029-20140224	480-55212-30	ALPHA ENDOSULFAN	2/27/2014		Yes	N	U		U	0.055	0.012	ug/l
FB029-20140224	480-55212-30	BETA ENDOSULFAN	2/27/2014		Yes	N	U		U	0.055	0.013	ug/l
FB029-20140224	480-55212-30	TOXAPHENE	2/27/2014		Yes	N	U		U	0.55	0.13	ug/l
FB029-20140224	480-55212-30	ENDRIN	2/27/2014		Yes	N	U		U	0.055	0.015	ug/l
FB029-20140224	480-55212-30	ALPHA CHLORDANE	2/27/2014		Yes	N	U		U	0.055	0.016	ug/l
FB029-20140224	480-55212-30	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/27/2014		Yes	N	U		U	0.055	0.027	ug/l
LT-C-060-0-2-20140224	480-55212-1	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.9	0.94	ug/kg
LT-C-060-0-2-20140224	480-55212-1	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.9	0.35	ug/kg

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-060-0-2-20140224	480-55212-1	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014	3.4	Yes	Y				1.9	0.25	ug/kg
LT-C-060-0-2-20140224	480-55212-1	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.9	0.34	ug/kg
LT-C-060-0-2-20140224	480-55212-1	ALPHA ENDOSULFAN	2/28/2014	2.6	Yes	Y		JN	JN	1.9	0.24	ug/kg
LT-C-060-0-2-20140224	480-55212-1	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.9	0.34	ug/kg
LT-C-060-0-2-20140224	480-55212-1	ALDRIN	2/28/2014		Yes	N	U		U	1.9	0.46	ug/kg
LT-C-060-0-2-20140224	480-55212-1	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014	0.79	Yes	Y	J		J	1.9	0.20	ug/kg
LT-C-060-0-2-20140224	480-55212-1	ENDRIN ALDEHYDE	2/28/2014	0.9	Yes	Y	J	J	J	1.9	0.48	ug/kg
LT-C-060-0-2-20140224	480-55212-1	GAMMA BHC (LINDANE)	2/28/2014	0.72	Yes	Y	J		J	1.9	0.23	ug/kg
LT-C-060-0-2-20140224	480-55212-1	DIELDRIN	2/28/2014	9.8	Yes	Y		JN	JN	1.9	0.45	ug/kg
LT-C-060-0-2-20140224	480-55212-1	GAMMA CHLORDANE	2/28/2014	4.9	Yes	Y		J	J	1.9	0.60	ug/kg
LT-C-060-0-2-20140224	480-55212-1	HEPTACHLOR	2/28/2014	2.6	Yes	Y		JN	JN	1.9	0.30	ug/kg
LT-C-060-0-2-20140224	480-55212-1	HEPTACHLOR EPOXIDE	2/28/2014	14	Yes	Y		J	J	1.9	0.49	ug/kg
LT-C-060-0-2-20140224	480-55212-1	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.9	0.26	ug/kg
LT-C-060-0-2-20140224	480-55212-1	P,P'-DDD	2/28/2014		Yes	N	U		U	1.9	0.37	ug/kg
LT-C-060-0-2-20140224	480-55212-1	P,P'-DDE	2/28/2014	5.7	Yes	Y		J	J	1.9	0.28	ug/kg
LT-C-060-0-2-20140224	480-55212-1	P,P'-DDT	2/28/2014	6.1	Yes	Y		JN	JN	1.9	0.19	ug/kg
LT-C-060-0-2-20140224	480-55212-1	TOXAPHENE	2/28/2014		Yes	N	U		U	19	11	ug/kg
LT-C-060-0-2-20140224	480-55212-1	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.9	0.46	ug/kg
LT-C-060-0-2-20140224	480-55212-1	ENDRIN	2/28/2014		Yes	N	U		U	1.9	0.26	ug/kg
LT-C-060-4-6-20140224	480-55212-2	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.7	0.55	ug/kg
LT-C-060-4-6-20140224	480-55212-2	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.7	0.19	ug/kg
LT-C-060-4-6-20140224	480-55212-2	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.7	0.22	ug/kg
LT-C-060-4-6-20140224	480-55212-2	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.7	0.31	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-060-4-6-20140224	480-55212-2	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.7	0.23	ug/kg
LT-C-060-4-6-20140224	480-55212-2	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.7	0.45	ug/kg
LT-C-060-4-6-20140224	480-55212-2	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.7	0.43	ug/kg
LT-C-060-4-6-20140224	480-55212-2	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.7	0.33	ug/kg
LT-C-060-4-6-20140224	480-55212-2	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.7	0.22	ug/kg
LT-C-060-4-6-20140224	480-55212-2	ENDRIN	2/28/2014		Yes	N	U		U	1.7	0.24	ug/kg
LT-C-060-4-6-20140224	480-55212-2	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.7	0.31	ug/kg
LT-C-060-4-6-20140224	480-55212-2	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.7	0.27	ug/kg
LT-C-060-4-6-20140224	480-55212-2	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.7	0.45	ug/kg
LT-C-060-4-6-20140224	480-55212-2	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.7	0.24	ug/kg
LT-C-060-4-6-20140224	480-55212-2	P,P'-DDD	2/28/2014		Yes	N	U		U	1.7	0.34	ug/kg
LT-C-060-4-6-20140224	480-55212-2	P,P'-DDE	2/28/2014		Yes	N	U		U	1.7	0.26	ug/kg
LT-C-060-4-6-20140224	480-55212-2	P,P'-DDT	2/28/2014	0.69	Yes	Y	J		J	1.7	0.18	ug/kg
LT-C-060-4-6-20140224	480-55212-2	TOXAPHENE	2/28/2014		Yes	N	U		U	17	10	ug/kg
LT-C-060-4-6-20140224	480-55212-2	ALDRIN	2/28/2014		Yes	N	U		U	1.7	0.43	ug/kg
LT-C-060-4-6-20140224	480-55212-2	DIELDRIN	2/28/2014		Yes	N	U		U	1.7	0.42	ug/kg
LT-C-060-4-6-20140224	480-55212-2	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.7	0.87	ug/kg
LT-C-060-8-10-20140224	480-55212-3	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.36	ug/kg
LT-C-060-8-10-20140224	480-55212-3	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.34	ug/kg
LT-C-060-8-10-20140224	480-55212-3	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-C-060-8-10-20140224	480-55212-3	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.47	ug/kg
LT-C-060-8-10-20140224	480-55212-3	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-C-060-8-10-20140224	480-55212-3	GAMMA BHC (LINDANE)	2/28/2014	0.46	Yes	Y	J		J	1.8	0.23	ug/kg
LT-C-060-8-10-20140224	480-55212-3	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.59	ug/kg

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Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-060-8-10-20140224	480-55212-3	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.8	0.29	ug/kg
LT-C-060-8-10-20140224	480-55212-3	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.8	0.48	ug/kg
LT-C-060-8-10-20140224	480-55212-3	DIELDRIN	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-C-060-8-10-20140224	480-55212-3	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-C-060-8-10-20140224	480-55212-3	P,P'-DDE	2/28/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-C-060-8-10-20140224	480-55212-3	P,P'-DDT	2/28/2014		Yes	N	U		U	1.8	0.19	ug/kg
LT-C-060-8-10-20140224	480-55212-3	ALDRIN	2/28/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-C-060-8-10-20140224	480-55212-3	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-C-060-8-10-20140224	480-55212-3	TOXAPHENE	2/28/2014		Yes	N	U		U	18	11	ug/kg
LT-C-060-8-10-20140224	480-55212-3	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-C-060-8-10-20140224	480-55212-3	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-C-060-8-10-20140224	480-55212-3	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.20	ug/kg
LT-C-060-8-10-20140224	480-55212-3	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-C-060-8-10-20140224	480-55212-3	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.92	ug/kg
LT-G-028-0-2-20140224	480-55212-4	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.9	0.34	ug/kg
LT-G-028-0-2-20140224	480-55212-4	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.9	0.95	ug/kg
LT-G-028-0-2-20140224	480-55212-4	ENDRIN	2/28/2014		Yes	N	U		U	1.9	0.26	ug/kg
LT-G-028-0-2-20140224	480-55212-4	ALDRIN	2/28/2014		Yes	N	U		U	1.9	0.47	ug/kg
LT-G-028-0-2-20140224	480-55212-4	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.9	0.47	ug/kg
LT-G-028-0-2-20140224	480-55212-4	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.9	0.61	ug/kg
LT-G-028-0-2-20140224	480-55212-4	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.9	0.49	ug/kg
LT-G-028-0-2-20140224	480-55212-4	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.9	0.24	ug/kg
LT-G-028-0-2-20140224	480-55212-4	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.9	0.36	ug/kg

SDG: 480552121

Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-028-0-2-20140224	480-55212-4	DIELDRIN	2/28/2014		Yes	N	U		U	1.9	0.46	ug/kg
LT-G-028-0-2-20140224	480-55212-4	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.9	0.34	ug/kg
LT-G-028-0-2-20140224	480-55212-4	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.9	0.30	ug/kg
LT-G-028-0-2-20140224	480-55212-4	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.9	0.26	ug/kg
LT-G-028-0-2-20140224	480-55212-4	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.9	0.24	ug/kg
LT-G-028-0-2-20140224	480-55212-4	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.9	0.21	ug/kg
LT-G-028-0-2-20140224	480-55212-4	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.9	0.25	ug/kg
LT-G-028-0-2-20140224	480-55212-4	P,P'-DDD	2/28/2014		Yes	N	U		U	1.9	0.37	ug/kg
LT-G-028-0-2-20140224	480-55212-4	TOXAPHENE	2/28/2014		Yes	N	U		U	19	11	ug/kg
LT-G-028-0-2-20140224	480-55212-4	P,P'-DDE	2/28/2014	0.65	Yes	Y	J		J	1.9	0.29	ug/kg
LT-G-028-0-2-20140224	480-55212-4	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.9	0.49	ug/kg
LT-G-028-0-2-20140224	480-55212-4	P,P'-DDT	2/28/2014		Yes	N	U		U	1.9	0.19	ug/kg
LT-G-028-4-6-20140224	480-55212-5	P,P'-DDT	2/28/2014		Yes	N	U		U	1.8	0.18	ug/kg
LT-G-028-4-6-20140224	480-55212-5	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.35	ug/kg
LT-G-028-4-6-20140224	480-55212-5	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.19	ug/kg
LT-G-028-4-6-20140224	480-55212-5	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-028-4-6-20140224	480-55212-5	TOXAPHENE	2/28/2014		Yes	N	U		U	18	10	ug/kg
LT-G-028-4-6-20140224	480-55212-5	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-028-4-6-20140224	480-55212-5	ALDRIN	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-028-4-6-20140224	480-55212-5	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-028-4-6-20140224	480-55212-5	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-G-028-4-6-20140224	480-55212-5	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.57	ug/kg
LT-G-028-4-6-20140224	480-55212-5	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-028-4-6-20140224	480-55212-5	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg

SDG: 480552121

Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-028-4-6-20140224	480-55212-5	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-028-4-6-20140224	480-55212-5	P,P'-DDE	2/28/2014		Yes	N	U		U	1.8	0.27	ug/kg
LT-G-028-4-6-20140224	480-55212-5	DIELDRIN	2/28/2014		Yes	N	U		U	1.8	0.43	ug/kg
LT-G-028-4-6-20140224	480-55212-5	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-028-4-6-20140224	480-55212-5	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-028-4-6-20140224	480-55212-5	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-028-4-6-20140224	480-55212-5	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-028-4-6-20140224	480-55212-5	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-028-4-6-20140224	480-55212-5	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.89	ug/kg
LT-G-028-8-10-20140224	480-55212-6	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-G-028-8-10-20140224	480-55212-6	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.34	ug/kg
LT-G-028-8-10-20140224	480-55212-6	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-028-8-10-20140224	480-55212-6	TOXAPHENE	2/28/2014		Yes	N	U		U	18	11	ug/kg
LT-G-028-8-10-20140224	480-55212-6	P,P'-DDT	2/28/2014		Yes	N	U		U	1.8	0.18	ug/kg
LT-G-028-8-10-20140224	480-55212-6	P,P'-DDE	2/28/2014		Yes	N	U		U	1.8	0.27	ug/kg
LT-G-028-8-10-20140224	480-55212-6	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.35	ug/kg
LT-G-028-8-10-20140224	480-55212-6	DIELDRIN	2/28/2014		Yes	N	U		U	1.8	0.43	ug/kg
LT-G-028-8-10-20140224	480-55212-6	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.8	0.47	ug/kg
LT-G-028-8-10-20140224	480-55212-6	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.58	ug/kg
LT-G-028-8-10-20140224	480-55212-6	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-028-8-10-20140224	480-55212-6	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-G-028-8-10-20140224	480-55212-6	METHOXYCHLOR	2/28/2014	0.55	Yes	Y	J		J	1.8	0.25	ug/kg
LT-G-028-8-10-20140224	480-55212-6	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-028-8-10-20140224	480-55212-6	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg

SDG: 480552121

Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-028-8-10-20140224	480-55212-6	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.20	ug/kg
LT-G-028-8-10-20140224	480-55212-6	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.90	ug/kg
LT-G-028-8-10-20140224	480-55212-6	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-028-8-10-20140224	480-55212-6	ALDRIN	2/28/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-G-028-8-10-20140224	480-55212-6	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-028-8-10-20140224	480-55212-6	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-029-0-2-20140224	480-55212-7	ALPHA ENDOSULFAN	2/28/2014	0.42	Yes	Y	J		J	1.8	0.23	ug/kg
LT-G-029-0-2-20140224	480-55212-7	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014	0.42	Yes	Y	J		J	1.8	0.20	ug/kg
LT-G-029-0-2-20140224	480-55212-7	ALDRIN	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-029-0-2-20140224	480-55212-7	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014	0.42	Yes	Y	J		J	1.8	0.33	ug/kg
LT-G-029-0-2-20140224	480-55212-7	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.90	ug/kg
LT-G-029-0-2-20140224	480-55212-7	DIELDRIN	2/28/2014	0.48	Yes	Y	J		J	1.8	0.43	ug/kg
LT-G-029-0-2-20140224	480-55212-7	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-029-0-2-20140224	480-55212-7	P,P'-DDD	2/28/2014	0.62	Yes	Y	J		J	1.8	0.35	ug/kg
LT-G-029-0-2-20140224	480-55212-7	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-029-0-2-20140224	480-55212-7	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-029-0-2-20140224	480-55212-7	TOXAPHENE	2/28/2014		Yes	N	U		U	18	11	ug/kg
LT-G-029-0-2-20140224	480-55212-7	P,P'-DDE	2/28/2014	1.7	Yes	Y	J		J	1.8	0.27	ug/kg
LT-G-029-0-2-20140224	480-55212-7	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-029-0-2-20140224	480-55212-7	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.8	0.47	ug/kg
LT-G-029-0-2-20140224	480-55212-7	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-G-029-0-2-20140224	480-55212-7	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.57	ug/kg
LT-G-029-0-2-20140224	480-55212-7	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.34	ug/kg

SDG: 480552121

Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-029-0-2-20140224	480-55212-7	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-029-0-2-20140224	480-55212-7	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-029-0-2-20140224	480-55212-7	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-029-0-2-20140224	480-55212-7	P,P'-DDT	2/28/2014	1.4	Yes	Y	J		J	1.8	0.18	ug/kg
LT-G-029-2-4-20140224	480-55212-8	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.9	0.49	ug/kg
LT-G-029-2-4-20140224	480-55212-8	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.9	0.34	ug/kg
LT-G-029-2-4-20140224	480-55212-8	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.9	0.60	ug/kg
LT-G-029-2-4-20140224	480-55212-8	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.9	0.24	ug/kg
LT-G-029-2-4-20140224	480-55212-8	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.9	0.47	ug/kg
LT-G-029-2-4-20140224	480-55212-8	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.9	0.49	ug/kg
LT-G-029-2-4-20140224	480-55212-8	TOXAPHENE	2/28/2014		Yes	N	U		U	19	11	ug/kg
LT-G-029-2-4-20140224	480-55212-8	ENDRIN	2/28/2014		Yes	N	U		U	1.9	0.26	ug/kg
LT-G-029-2-4-20140224	480-55212-8	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.9	0.35	ug/kg
LT-G-029-2-4-20140224	480-55212-8	DIELDRIN	2/28/2014	0.58	Yes	Y	J		J	1.9	0.46	ug/kg
LT-G-029-2-4-20140224	480-55212-8	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.9	0.25	ug/kg
LT-G-029-2-4-20140224	480-55212-8	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.9	0.34	ug/kg
LT-G-029-2-4-20140224	480-55212-8	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014	0.44	Yes	Y	J		J	1.9	0.21	ug/kg
LT-G-029-2-4-20140224	480-55212-8	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.9	0.30	ug/kg
LT-G-029-2-4-20140224	480-55212-8	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.9	0.95	ug/kg
LT-G-029-2-4-20140224	480-55212-8	ALDRIN	2/28/2014		Yes	N	U		U	1.9	0.47	ug/kg
LT-G-029-2-4-20140224	480-55212-8	P,P'-DDT	2/28/2014	1.6	Yes	Y	J		J	1.9	0.19	ug/kg
LT-G-029-2-4-20140224	480-55212-8	P,P'-DDE	2/28/2014	0.64	Yes	Y	J		J	1.9	0.29	ug/kg
LT-G-029-2-4-20140224	480-55212-8	P,P'-DDD	2/28/2014	0.48	Yes	Y	J		J	1.9	0.37	ug/kg
LT-G-029-2-4-20140224	480-55212-8	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.9	0.26	ug/kg

SDG: 480552121

Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-029-2-4-20140224	480-55212-8	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.9	0.24	ug/kg
LT-G-029-8-10-20140224	480-55212-9	P,P'-DDD	2/28/2014		Yes	N	U		U	1.7	0.34	ug/kg
LT-G-029-8-10-20140224	480-55212-9	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.7	0.22	ug/kg
LT-G-029-8-10-20140224	480-55212-9	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.7	0.19	ug/kg
LT-G-029-8-10-20140224	480-55212-9	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.7	0.31	ug/kg
LT-G-029-8-10-20140224	480-55212-9	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.7	0.23	ug/kg
LT-G-029-8-10-20140224	480-55212-9	DIELDRIN	2/28/2014		Yes	N	U		U	1.7	0.42	ug/kg
LT-G-029-8-10-20140224	480-55212-9	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.7	0.33	ug/kg
LT-G-029-8-10-20140224	480-55212-9	TOXAPHENE	2/28/2014		Yes	N	U		U	17	10	ug/kg
LT-G-029-8-10-20140224	480-55212-9	P,P'-DDE	2/28/2014		Yes	N	U		U	1.7	0.26	ug/kg
LT-G-029-8-10-20140224	480-55212-9	ENDRIN	2/28/2014		Yes	N	U		U	1.7	0.24	ug/kg
LT-G-029-8-10-20140224	480-55212-9	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.7	0.24	ug/kg
LT-G-029-8-10-20140224	480-55212-9	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.7	0.45	ug/kg
LT-G-029-8-10-20140224	480-55212-9	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.7	0.27	ug/kg
LT-G-029-8-10-20140224	480-55212-9	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.7	0.55	ug/kg
LT-G-029-8-10-20140224	480-55212-9	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.7	0.22	ug/kg
LT-G-029-8-10-20140224	480-55212-9	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.7	0.43	ug/kg
LT-G-029-8-10-20140224	480-55212-9	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.7	0.45	ug/kg
LT-G-029-8-10-20140224	480-55212-9	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.7	0.87	ug/kg
LT-G-029-8-10-20140224	480-55212-9	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.7	0.31	ug/kg
LT-G-029-8-10-20140224	480-55212-9	ALDRIN	2/28/2014		Yes	N	U		U	1.7	0.43	ug/kg
LT-G-029-8-10-20140224	480-55212-9	P,P'-DDT	2/28/2014		Yes	N	U		U	1.7	0.18	ug/kg
LT-G-030-0-2-20140224	480-55212-12	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-030-0-2-20140224	480-55212-12	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg

SDG: 480552121

Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-030-0-2-20140224	480-55212-12	TOXAPHENE	2/28/2014		Yes	N	U	UJ	UJ	18	11	ug/kg
LT-G-030-0-2-20140224	480-55212-12	P,P'-DDT	2/28/2014		Yes	N	U		U	1.8	0.18	ug/kg
LT-G-030-0-2-20140224	480-55212-12	P,P'-DDE	2/28/2014	0.78	Yes	Y	J	U	U	1.8	0.27	ug/kg
LT-G-030-0-2-20140224	480-55212-12	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.35	ug/kg
LT-G-030-0-2-20140224	480-55212-12	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-030-0-2-20140224	480-55212-12	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U	UJ	UJ	1.8	0.47	ug/kg
LT-G-030-0-2-20140224	480-55212-12	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.57	ug/kg
LT-G-030-0-2-20140224	480-55212-12	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-030-0-2-20140224	480-55212-12	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-030-0-2-20140224	480-55212-12	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U	UJ	UJ	1.8	0.22	ug/kg
LT-G-030-0-2-20140224	480-55212-12	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.34	ug/kg
LT-G-030-0-2-20140224	480-55212-12	DIELDRIN	2/28/2014		Yes	N	U		U	1.8	0.43	ug/kg
LT-G-030-0-2-20140224	480-55212-12	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U	UJ	UJ	1.8	0.24	ug/kg
LT-G-030-0-2-20140224	480-55212-12	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U	UJ	UJ	1.8	0.19	ug/kg
LT-G-030-0-2-20140224	480-55212-12	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.90	ug/kg
LT-G-030-0-2-20140224	480-55212-12	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U	UJ	UJ	1.8	0.32	ug/kg
LT-G-030-0-2-20140224	480-55212-12	ALDRIN	2/28/2014		Yes	N	U	UJ	UJ	1.8	0.44	ug/kg
LT-G-030-0-2-20140224	480-55212-12	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-030-0-2-20140224	480-55212-12	HEPTACHLOR	2/28/2014		Yes	N	U	UJ	UJ	1.8	0.28	ug/kg
LT-G-030-4-6-20140224	480-55212-13	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-030-4-6-20140224	480-55212-13	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-030-4-6-20140224	480-55212-13	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.56	ug/kg
LT-G-030-4-6-20140224	480-55212-13	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-G-030-4-6-20140224	480-55212-13	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg

SDG: 480552121

Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-030-4-6-20140224	480-55212-13	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.34	ug/kg
LT-G-030-4-6-20140224	480-55212-13	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-030-4-6-20140224	480-55212-13	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-G-030-4-6-20140224	480-55212-13	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-030-4-6-20140224	480-55212-13	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-030-4-6-20140224	480-55212-13	DIELDRIN	2/28/2014		Yes	N	U		U	1.8	0.43	ug/kg
LT-G-030-4-6-20140224	480-55212-13	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.88	ug/kg
LT-G-030-4-6-20140224	480-55212-13	P,P'-DDE	2/28/2014	0.49	Yes	Y	J		J	1.8	0.27	ug/kg
LT-G-030-4-6-20140224	480-55212-13	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-030-4-6-20140224	480-55212-13	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.19	ug/kg
LT-G-030-4-6-20140224	480-55212-13	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-030-4-6-20140224	480-55212-13	P,P'-DDT	2/28/2014		Yes	N	U		U	1.8	0.18	ug/kg
LT-G-030-4-6-20140224	480-55212-13	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-030-4-6-20140224	480-55212-13	TOXAPHENE	2/28/2014		Yes	N	U		U	18	10	ug/kg
LT-G-030-4-6-20140224	480-55212-13	ALDRIN	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-030-4-6-20140224	480-55212-13	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-030-6-8-20140224	480-55212-14	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.9	0.93	ug/kg
LT-G-030-6-8-20140224	480-55212-14	P,P'-DDD	2/28/2014		Yes	N	U		U	1.9	0.36	ug/kg
LT-G-030-6-8-20140224	480-55212-14	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.9	0.48	ug/kg
LT-G-030-6-8-20140224	480-55212-14	ALDRIN	2/28/2014		Yes	N	U		U	1.9	0.46	ug/kg
LT-G-030-6-8-20140224	480-55212-14	METHOXYCHLOR	2/28/2014	0.64	Yes	Y	J		J	1.9	0.26	ug/kg
LT-G-030-6-8-20140224	480-55212-14	ENDRIN	2/28/2014		Yes	N	U		U	1.9	0.26	ug/kg
LT-G-030-6-8-20140224	480-55212-14	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.9	0.29	ug/kg
LT-G-030-6-8-20140224	480-55212-14	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.9	0.24	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-030-6-8-20140224	480-55212-14	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.9	0.20	ug/kg
LT-G-030-6-8-20140224	480-55212-14	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.9	0.34	ug/kg
LT-G-030-6-8-20140224	480-55212-14	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.9	0.25	ug/kg
LT-G-030-6-8-20140224	480-55212-14	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.9	0.35	ug/kg
LT-G-030-6-8-20140224	480-55212-14	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.9	0.34	ug/kg
LT-G-030-6-8-20140224	480-55212-14	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.9	0.48	ug/kg
LT-G-030-6-8-20140224	480-55212-14	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.9	0.46	ug/kg
LT-G-030-6-8-20140224	480-55212-14	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.9	0.23	ug/kg
LT-G-030-6-8-20140224	480-55212-14	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.9	0.59	ug/kg
LT-G-030-6-8-20140224	480-55212-14	P,P'-DDE	2/28/2014		Yes	N	U		U	1.9	0.28	ug/kg
LT-G-030-6-8-20140224	480-55212-14	P,P'-DDT	2/28/2014		Yes	N	U		U	1.9	0.19	ug/kg
LT-G-030-6-8-20140224	480-55212-14	TOXAPHENE	2/28/2014		Yes	N	U		U	19	11	ug/kg
LT-G-030-6-8-20140224	480-55212-14	DIELDRIN	2/28/2014		Yes	N	U		U	1.9	0.45	ug/kg
LT-G-031-0-2-20140224	480-55212-15	DIELDRIN	2/28/2014		Yes	N	U		U	1.8	0.43	ug/kg
LT-G-031-0-2-20140224	480-55212-15	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.35	ug/kg
LT-G-031-0-2-20140224	480-55212-15	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-031-0-2-20140224	480-55212-15	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.8	0.47	ug/kg
LT-G-031-0-2-20140224	480-55212-15	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-G-031-0-2-20140224	480-55212-15	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.58	ug/kg
LT-G-031-0-2-20140224	480-55212-15	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-031-0-2-20140224	480-55212-15	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-031-0-2-20140224	480-55212-15	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-031-0-2-20140224	480-55212-15	TOXAPHENE	2/28/2014		Yes	N	U		U	18	11	ug/kg
LT-G-031-0-2-20140224	480-55212-15	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.34	ug/kg

SDG: 480552121

Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-031-0-2-20140224	480-55212-15	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-031-0-2-20140224	480-55212-15	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-031-0-2-20140224	480-55212-15	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.20	ug/kg
LT-G-031-0-2-20140224	480-55212-15	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-031-0-2-20140224	480-55212-15	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.90	ug/kg
LT-G-031-0-2-20140224	480-55212-15	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-031-0-2-20140224	480-55212-15	ALDRIN	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-031-0-2-20140224	480-55212-15	P,P'-DDE	2/28/2014		Yes	N	U		U	1.8	0.27	ug/kg
LT-G-031-0-2-20140224	480-55212-15	P,P'-DDT	2/28/2014		Yes	N	U		U	1.8	0.18	ug/kg
LT-G-031-0-2-20140224	480-55212-15	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-031-4-6-20140224	480-55212-16	ALDRIN	2/28/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-G-031-4-6-20140224	480-55212-16	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-031-4-6-20140224	480-55212-16	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-031-4-6-20140224	480-55212-16	DIELDRIN	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-031-4-6-20140224	480-55212-16	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014	0.47	Yes	Y	J		J	1.8	0.24	ug/kg
LT-G-031-4-6-20140224	480-55212-16	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-031-4-6-20140224	480-55212-16	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-031-4-6-20140224	480-55212-16	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-031-4-6-20140224	480-55212-16	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-G-031-4-6-20140224	480-55212-16	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-031-4-6-20140224	480-55212-16	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.58	ug/kg
LT-G-031-4-6-20140224	480-55212-16	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.8	0.47	ug/kg
LT-G-031-4-6-20140224	480-55212-16	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.34	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-031-4-6-20140224	480-55212-16	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.35	ug/kg
LT-G-031-4-6-20140224	480-55212-16	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.20	ug/kg
LT-G-031-4-6-20140224	480-55212-16	P,P'-DDT	2/28/2014		Yes	N	U		U	1.8	0.19	ug/kg
LT-G-031-4-6-20140224	480-55212-16	TOXAPHENE	2/28/2014		Yes	N	U		U	18	11	ug/kg
LT-G-031-4-6-20140224	480-55212-16	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.91	ug/kg
LT-G-031-4-6-20140224	480-55212-16	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-031-4-6-20140224	480-55212-16	P,P'-DDE	2/28/2014		Yes	N	U		U	1.8	0.27	ug/kg
LT-G-031-4-6-20140224	480-55212-16	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-G-031-6-8-20140224	480-55212-17	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.20	ug/kg
LT-G-031-6-8-20140224	480-55212-17	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-031-6-8-20140224	480-55212-17	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-031-6-8-20140224	480-55212-17	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-G-031-6-8-20140224	480-55212-17	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-031-6-8-20140224	480-55212-17	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.34	ug/kg
LT-G-031-6-8-20140224	480-55212-17	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-031-6-8-20140224	480-55212-17	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.58	ug/kg
LT-G-031-6-8-20140224	480-55212-17	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-G-031-6-8-20140224	480-55212-17	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.8	0.47	ug/kg
LT-G-031-6-8-20140224	480-55212-17	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-031-6-8-20140224	480-55212-17	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-031-6-8-20140224	480-55212-17	DIELDRIN	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-031-6-8-20140224	480-55212-17	P,P'-DDE	2/28/2014		Yes	N	U		U	1.8	0.27	ug/kg
LT-G-031-6-8-20140224	480-55212-17	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.90	ug/kg
LT-G-031-6-8-20140224	480-55212-17	TOXAPHENE	2/28/2014		Yes	N	U		U	18	11	ug/kg

SDG: 480552121

Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-031-6-8-20140224	480-55212-17	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.35	ug/kg
LT-G-031-6-8-20140224	480-55212-17	P,P'-DDT	2/28/2014		Yes	N	U		U	1.8	0.19	ug/kg
LT-G-031-6-8-20140224	480-55212-17	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-031-6-8-20140224	480-55212-17	ALDRIN	2/28/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-G-031-6-8-20140224	480-55212-17	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-032-0-2-20140224	480-55212-18	P,P'-DDE	2/28/2014		Yes	N	U		U	1.8	0.27	ug/kg
LT-G-032-0-2-20140224	480-55212-18	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-032-0-2-20140224	480-55212-18	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-032-0-2-20140224	480-55212-18	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-032-0-2-20140224	480-55212-18	TOXAPHENE	2/28/2014		Yes	N	U		U	18	10	ug/kg
LT-G-032-0-2-20140224	480-55212-18	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-G-032-0-2-20140224	480-55212-18	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.57	ug/kg
LT-G-032-0-2-20140224	480-55212-18	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-032-0-2-20140224	480-55212-18	P,P'-DDT	2/28/2014		Yes	N	U		U	1.8	0.18	ug/kg
LT-G-032-0-2-20140224	480-55212-18	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-032-0-2-20140224	480-55212-18	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.34	ug/kg
LT-G-032-0-2-20140224	480-55212-18	DIELDRIN	2/28/2014		Yes	N	U		U	1.8	0.43	ug/kg
LT-G-032-0-2-20140224	480-55212-18	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-032-0-2-20140224	480-55212-18	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-032-0-2-20140224	480-55212-18	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014	0.37	Yes	Y	J		J	1.8	0.19	ug/kg
LT-G-032-0-2-20140224	480-55212-18	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-032-0-2-20140224	480-55212-18	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.89	ug/kg
LT-G-032-0-2-20140224	480-55212-18	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-032-0-2-20140224	480-55212-18	ALDRIN	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-032-0-2-20140224	480-55212-18	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-032-0-2-20140224	480-55212-18	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.35	ug/kg
LT-G-032-4-6-20140224	480-55212-19	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-032-4-6-20140224	480-55212-19	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-G-032-4-6-20140224	480-55212-19	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.57	ug/kg
LT-G-032-4-6-20140224	480-55212-19	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-032-4-6-20140224	480-55212-19	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-032-4-6-20140224	480-55212-19	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-032-4-6-20140224	480-55212-19	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-032-4-6-20140224	480-55212-19	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-032-4-6-20140224	480-55212-19	DIELDRIN	2/28/2014		Yes	N	U		U	1.8	0.43	ug/kg
LT-G-032-4-6-20140224	480-55212-19	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-032-4-6-20140224	480-55212-19	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.19	ug/kg
LT-G-032-4-6-20140224	480-55212-19	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-032-4-6-20140224	480-55212-19	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.35	ug/kg
LT-G-032-4-6-20140224	480-55212-19	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-032-4-6-20140224	480-55212-19	ALDRIN	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-032-4-6-20140224	480-55212-19	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-032-4-6-20140224	480-55212-19	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-032-4-6-20140224	480-55212-19	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.89	ug/kg
LT-G-032-4-6-20140224	480-55212-19	TOXAPHENE	2/28/2014		Yes	N	U		U	18	10	ug/kg
LT-G-032-4-6-20140224	480-55212-19	P,P'-DDT	2/28/2014		Yes	N	U		U	1.8	0.18	ug/kg
LT-G-032-4-6-20140224	480-55212-19	P,P'-DDE	2/28/2014		Yes	N	U		U	1.8	0.27	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RI	MDL	Units
LT-G-032-6-8-20140224	480-55212-20	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.56	ug/kg
LT-G-032-6-8-20140224	480-55212-20	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-032-6-8-20140224	480-55212-20	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.43	ug/kg
LT-G-032-6-8-20140224	480-55212-20	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-G-032-6-8-20140224	480-55212-20	DIELDRIN	2/28/2014		Yes	N	U		U	1.8	0.42	ug/kg
LT-G-032-6-8-20140224	480-55212-20	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-032-6-8-20140224	480-55212-20	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-032-6-8-20140224	480-55212-20	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-032-6-8-20140224	480-55212-20	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-G-032-6-8-20140224	480-55212-20	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-032-6-8-20140224	480-55212-20	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-032-6-8-20140224	480-55212-20	P,P'-DDT	2/28/2014	0.77	Yes	Y	J		J	1.8	0.18	ug/kg
LT-G-032-6-8-20140224	480-55212-20	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-032-6-8-20140224	480-55212-20	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-G-032-6-8-20140224	480-55212-20	METHOXYCHLOR	2/28/2014	0.46	Yes	Y	J		J	1.8	0.24	ug/kg
LT-G-032-6-8-20140224	480-55212-20	P,P'-DDE	2/28/2014		Yes	N	U		U	1.8	0.26	ug/kg
LT-G-032-6-8-20140224	480-55212-20	TOXAPHENE	2/28/2014		Yes	N	U		U	18	10	ug/kg
LT-G-032-6-8-20140224	480-55212-20	ALDRIN	2/28/2014		Yes	N	U		U	1.8	0.43	ug/kg
LT-G-032-6-8-20140224	480-55212-20	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.87	ug/kg
LT-G-032-6-8-20140224	480-55212-20	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014	0.25	Yes	Y	J		J	1.8	0.19	ug/kg
LT-G-032-6-8-20140224	480-55212-20	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.34	ug/kg
LT-G-033-0-2-20140224	480-55212-21	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-033-0-2-20140224	480-55212-21	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.8	0.47	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-033-0-2-20140224	480-55212-21	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-033-0-2-20140224	480-55212-21	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-G-033-0-2-20140224	480-55212-21	METHOXYCHLOR	2/28/2014	0.94	Yes	Y	J		J	1.8	0.25	ug/kg
LT-G-033-0-2-20140224	480-55212-21	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.58	ug/kg
LT-G-033-0-2-20140224	480-55212-21	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-G-033-0-2-20140224	480-55212-21	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.34	ug/kg
LT-G-033-0-2-20140224	480-55212-21	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-033-0-2-20140224	480-55212-21	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.20	ug/kg
LT-G-033-0-2-20140224	480-55212-21	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-033-0-2-20140224	480-55212-21	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.91	ug/kg
LT-G-033-0-2-20140224	480-55212-21	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-033-0-2-20140224	480-55212-21	ALDRIN	2/28/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-G-033-0-2-20140224	480-55212-21	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-033-0-2-20140224	480-55212-21	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.35	ug/kg
LT-G-033-0-2-20140224	480-55212-21	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-033-0-2-20140224	480-55212-21	P,P'-DDT	2/28/2014		Yes	N	U		U	1.8	0.19	ug/kg
LT-G-033-0-2-20140224	480-55212-21	TOXAPHENE	2/28/2014		Yes	N	U		U	18	11	ug/kg
LT-G-033-0-2-20140224	480-55212-21	DIELDRIN	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-033-0-2-20140224	480-55212-21	P,P'-DDE	2/28/2014		Yes	N	U		U	1.8	0.27	ug/kg
LT-G-033-2-4-20140224	480-55212-22	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-033-2-4-20140224	480-55212-22	ALDRIN	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-033-2-4-20140224	480-55212-22	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.89	ug/kg
LT-G-033-2-4-20140224	480-55212-22	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.19	ug/kg
LT-G-033-2-4-20140224	480-55212-22	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-033-2-4-20140224	480-55212-22	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-033-2-4-20140224	480-55212-22	DIELDRIN	2/28/2014		Yes	N	U		U	1.8	0.43	ug/kg
LT-G-033-2-4-20140224	480-55212-22	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-033-2-4-20140224	480-55212-22	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-033-2-4-20140224	480-55212-22	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-033-2-4-20140224	480-55212-22	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-033-2-4-20140224	480-55212-22	P,P'-DDE	2/28/2014		Yes	N	U		U	1.8	0.27	ug/kg
LT-G-033-2-4-20140224	480-55212-22	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-033-2-4-20140224	480-55212-22	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-033-2-4-20140224	480-55212-22	TOXAPHENE	2/28/2014		Yes	N	U		U	18	10	ug/kg
LT-G-033-2-4-20140224	480-55212-22	P,P'-DDT	2/28/2014		Yes	N	U		U	1.8	0.18	ug/kg
LT-G-033-2-4-20140224	480-55212-22	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.35	ug/kg
LT-G-033-2-4-20140224	480-55212-22	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-033-2-4-20140224	480-55212-22	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-033-2-4-20140224	480-55212-22	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-G-033-2-4-20140224	480-55212-22	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.57	ug/kg
LT-G-033-6-8-20140224	480-55212-23	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-033-6-8-20140224	480-55212-23	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-033-6-8-20140224	480-55212-23	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-033-6-8-20140224	480-55212-23	DIELDRIN	2/28/2014		Yes	N	U		U	1.8	0.43	ug/kg
LT-G-033-6-8-20140224	480-55212-23	TOXAPHENE	2/28/2014		Yes	N	U		U	18	10	ug/kg
LT-G-033-6-8-20140224	480-55212-23	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-033-6-8-20140224	480-55212-23	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.89	ug/kg

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Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-033-6-8-20140224	480-55212-23	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-033-6-8-20140224	480-55212-23	ALDRIN	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-033-6-8-20140224	480-55212-23	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-033-6-8-20140224	480-55212-23	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.19	ug/kg
LT-G-033-6-8-20140224	480-55212-23	P,P'-DDT	2/28/2014		Yes	N	U		U	1.8	0.18	ug/kg
LT-G-033-6-8-20140224	480-55212-23	P,P'-DDE	2/28/2014		Yes	N	U		U	1.8	0.27	ug/kg
LT-G-033-6-8-20140224	480-55212-23	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-033-6-8-20140224	480-55212-23	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-G-033-6-8-20140224	480-55212-23	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.57	ug/kg
LT-G-033-6-8-20140224	480-55212-23	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-033-6-8-20140224	480-55212-23	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-033-6-8-20140224	480-55212-23	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-033-6-8-20140224	480-55212-23	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-033-6-8-20140224	480-55212-23	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.35	ug/kg
LT-G-034-0-2-20140224	480-55212-24	P,P'-DDT	2/28/2014		Yes	N	U		U	18	1.8	ug/kg
LT-G-034-0-2-20140224	480-55212-24	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	18	3.3	ug/kg
LT-G-034-0-2-20140224	480-55212-24	TOXAPHENE	2/28/2014		Yes	N	U		U	180	100	ug/kg
LT-G-034-0-2-20140224	480-55212-24	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	18	3.2	ug/kg
LT-G-034-0-2-20140224	480-55212-24	ALDRIN	2/28/2014		Yes	N	U		U	18	4.4	ug/kg
LT-G-034-0-2-20140224	480-55212-24	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	18	3.2	ug/kg
LT-G-034-0-2-20140224	480-55212-24	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	18	8.8	ug/kg
LT-G-034-0-2-20140224	480-55212-24	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	18	4.5	ug/kg
LT-G-034-0-2-20140224	480-55212-24	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	18	1.9	ug/kg

SDG: 480552121

Analytical Method SW8081B

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-034-0-2-20140224	480-55212-24	P,P'-DDE	2/28/2014		Yes	N	U		U	18	2.7	ug/kg
LT-G-034-0-2-20140224	480-55212-24	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	18	2.3	ug/kg
LT-G-034-0-2-20140224	480-55212-24	DIELDRIN	2/28/2014		Yes	N	U		U	18	4.3	ug/kg
LT-G-034-0-2-20140224	480-55212-24	ENDRIN	2/28/2014		Yes	N	U		U	18	2.4	ug/kg
LT-G-034-0-2-20140224	480-55212-24	P,P'-DDD	2/28/2014		Yes	N	U		U	18	3.4	ug/kg
LT-G-034-0-2-20140224	480-55212-24	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	18	2.2	ug/kg
LT-G-034-0-2-20140224	480-55212-24	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	18	5.6	ug/kg
LT-G-034-0-2-20140224	480-55212-24	HEPTACHLOR	2/28/2014		Yes	N	U		U	18	2.8	ug/kg
LT-G-034-0-2-20140224	480-55212-24	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	18	4.6	ug/kg
LT-G-034-0-2-20140224	480-55212-24	METHOXYCHLOR	2/28/2014		Yes	N	U		U	18	2.4	ug/kg
LT-G-034-0-2-20140224	480-55212-24	ENDRIN KETONE	2/28/2014		Yes	N	U		U	18	4.4	ug/kg
LT-G-034-0-2-20140224	480-55212-24	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	18	2.2	ug/kg
LT-G-034-2-4-20140224	480-55212-25	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-034-2-4-20140224	480-55212-25	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-034-2-4-20140224	480-55212-25	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014	2.1	Yes	Y				1.8	0.19	ug/kg
LT-G-034-2-4-20140224	480-55212-25	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-034-2-4-20140224	480-55212-25	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.88	ug/kg
LT-G-034-2-4-20140224	480-55212-25	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-034-2-4-20140224	480-55212-25	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-034-2-4-20140224	480-55212-25	P,P'-DDE	2/28/2014		Yes	N	U		U	1.8	0.27	ug/kg
LT-G-034-2-4-20140224	480-55212-25	P,P'-DDT	2/28/2014		Yes	N	U		U	1.8	0.18	ug/kg
LT-G-034-2-4-20140224	480-55212-25	TOXAPHENE	2/28/2014		Yes	N	U		U	18	10	ug/kg
LT-G-034-2-4-20140224	480-55212-25	ALDRIN	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-034-2-4-20140224	480-55212-25	DIELDRIN	2/28/2014		Yes	N	U		U	1.8	0.43	ug/kg
LT-G-034-2-4-20140224	480-55212-25	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-034-2-4-20140224	480-55212-25	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.56	ug/kg
LT-G-034-2-4-20140224	480-55212-25	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.34	ug/kg
LT-G-034-2-4-20140224	480-55212-25	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-034-2-4-20140224	480-55212-25	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-G-034-2-4-20140224	480-55212-25	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-034-2-4-20140224	480-55212-25	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-G-034-2-4-20140224	480-55212-25	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-034-2-4-20140224	480-55212-25	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-034-6-8-20140224	480-55212-26	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.36	ug/kg
LT-G-034-6-8-20140224	480-55212-26	TOXAPHENE	2/28/2014		Yes	N	U		U	18	11	ug/kg
LT-G-034-6-8-20140224	480-55212-26	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.58	ug/kg
LT-G-034-6-8-20140224	480-55212-26	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.8	0.29	ug/kg
LT-G-034-6-8-20140224	480-55212-26	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.8	0.47	ug/kg
LT-G-034-6-8-20140224	480-55212-26	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-034-6-8-20140224	480-55212-26	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014	0.4	Yes	Y	J		J	1.8	0.33	ug/kg
LT-G-034-6-8-20140224	480-55212-26	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-034-6-8-20140224	480-55212-26	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-034-6-8-20140224	480-55212-26	P,P'-DDE	2/28/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-G-034-6-8-20140224	480-55212-26	ALDRIN	2/28/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-G-034-6-8-20140224	480-55212-26	DIELDRIN	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-034-6-8-20140224	480-55212-26	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-034-6-8-20140224	480-55212-26	P,P'-DDT	2/28/2014		Yes	N	U		U	1.8	0.19	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-034-6-8-20140224	480-55212-26	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.20	ug/kg
LT-G-034-6-8-20140224	480-55212-26	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.34	ug/kg
LT-G-034-6-8-20140224	480-55212-26	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-034-6-8-20140224	480-55212-26	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.47	ug/kg
LT-G-034-6-8-20140224	480-55212-26	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-034-6-8-20140224	480-55212-26	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.91	ug/kg
LT-G-034-6-8-20140224	480-55212-26	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-G-035-0-2-20140224	480-55212-27	ENDRIN	2/28/2014		Yes	N	U		U	1.9	0.26	ug/kg
LT-G-035-0-2-20140224	480-55212-27	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.9	0.35	ug/kg
LT-G-035-0-2-20140224	480-55212-27	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.9	0.33	ug/kg
LT-G-035-0-2-20140224	480-55212-27	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.9	0.92	ug/kg
LT-G-035-0-2-20140224	480-55212-27	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.9	0.23	ug/kg
LT-G-035-0-2-20140224	480-55212-27	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.9	0.20	ug/kg
LT-G-035-0-2-20140224	480-55212-27	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.9	0.33	ug/kg
LT-G-035-0-2-20140224	480-55212-27	DIELDRIN	2/28/2014		Yes	N	U		U	1.9	0.44	ug/kg
LT-G-035-0-2-20140224	480-55212-27	ALDRIN	2/28/2014		Yes	N	U		U	1.9	0.46	ug/kg
LT-G-035-0-2-20140224	480-55212-27	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.9	0.59	ug/kg
LT-G-035-0-2-20140224	480-55212-27	TOXAPHENE	2/28/2014		Yes	N	U		U	19	11	ug/kg
LT-G-035-0-2-20140224	480-55212-27	P,P'-DDE	2/28/2014		Yes	N	U		U	1.9	0.28	ug/kg
LT-G-035-0-2-20140224	480-55212-27	P,P'-DDD	2/28/2014		Yes	N	U		U	1.9	0.36	ug/kg
LT-G-035-0-2-20140224	480-55212-27	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.9	0.26	ug/kg
LT-G-035-0-2-20140224	480-55212-27	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.9	0.47	ug/kg
LT-G-035-0-2-20140224	480-55212-27	P,P'-DDT	2/28/2014	0.69	Yes	Y	J		J	1.9	0.19	ug/kg
LT-G-035-0-2-20140224	480-55212-27	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.9	0.29	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-035-0-2-20140224	480-55212-27	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.9	0.23	ug/kg
LT-G-035-0-2-20140224	480-55212-27	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014	0.47	Yes	Y	J		J	1.9	0.24	ug/kg
LT-G-035-0-2-20140224	480-55212-27	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.9	0.46	ug/kg
LT-G-035-0-2-20140224	480-55212-27	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.9	0.48	ug/kg
LT-G-035-2-4-20140224	480-55212-28	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-035-2-4-20140224	480-55212-28	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.35	ug/kg
LT-G-035-2-4-20140224	480-55212-28	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-035-2-4-20140224	480-55212-28	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.89	ug/kg
LT-G-035-2-4-20140224	480-55212-28	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-035-2-4-20140224	480-55212-28	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.19	ug/kg
LT-G-035-2-4-20140224	480-55212-28	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-035-2-4-20140224	480-55212-28	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014	0.51	Yes	Y	J		J	1.8	0.24	ug/kg
LT-G-035-2-4-20140224	480-55212-28	DIELDRIN	2/28/2014		Yes	N	U		U	1.8	0.43	ug/kg
LT-G-035-2-4-20140224	480-55212-28	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-035-2-4-20140224	480-55212-28	P,P'-DDT	2/28/2014		Yes	N	U		U	1.8	0.18	ug/kg
LT-G-035-2-4-20140224	480-55212-28	ALDRIN	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-035-2-4-20140224	480-55212-28	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-035-2-4-20140224	480-55212-28	TOXAPHENE	2/28/2014		Yes	N	U		U	18	10	ug/kg
LT-G-035-2-4-20140224	480-55212-28	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-035-2-4-20140224	480-55212-28	P,P'-DDE	2/28/2014		Yes	N	U		U	1.8	0.27	ug/kg
LT-G-035-2-4-20140224	480-55212-28	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.8	0.25	ug/kg
LT-G-035-2-4-20140224	480-55212-28	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-G-035-2-4-20140224	480-55212-28	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.57	ug/kg

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Analytical Method		SW8081B										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-035-2-4-20140224	480-55212-28	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-035-2-4-20140224	480-55212-28	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.44	ug/kg
LT-G-035-6-8-20140224	480-55212-29	BETA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-035-6-8-20140224	480-55212-29	ENDRIN KETONE	2/28/2014		Yes	N	U		U	1.8	0.43	ug/kg
LT-G-035-6-8-20140224	480-55212-29	BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.19	ug/kg
LT-G-035-6-8-20140224	480-55212-29	DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.23	ug/kg
LT-G-035-6-8-20140224	480-55212-29	DIELDRIN	2/28/2014		Yes	N	U		U	1.8	0.42	ug/kg
LT-G-035-6-8-20140224	480-55212-29	ENDOSULFAN SULFATE	2/28/2014		Yes	N	U		U	1.8	0.33	ug/kg
LT-G-035-6-8-20140224	480-55212-29	ENDRIN	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-035-6-8-20140224	480-55212-29	ENDRIN ALDEHYDE	2/28/2014		Yes	N	U		U	1.8	0.45	ug/kg
LT-G-035-6-8-20140224	480-55212-29	ALPHA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.88	ug/kg
LT-G-035-6-8-20140224	480-55212-29	P,P'-DDT	2/28/2014		Yes	N	U		U	1.8	0.18	ug/kg
LT-G-035-6-8-20140224	480-55212-29	GAMMA BHC (LINDANE)	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-035-6-8-20140224	480-55212-29	ALPHA ENDOSULFAN	2/28/2014		Yes	N	U		U	1.8	0.22	ug/kg
LT-G-035-6-8-20140224	480-55212-29	TOXAPHENE	2/28/2014		Yes	N	U		U	18	10	ug/kg
LT-G-035-6-8-20140224	480-55212-29	P,P'-DDE	2/28/2014		Yes	N	U		U	1.8	0.27	ug/kg
LT-G-035-6-8-20140224	480-55212-29	P,P'-DDD	2/28/2014		Yes	N	U		U	1.8	0.34	ug/kg
LT-G-035-6-8-20140224	480-55212-29	METHOXYCHLOR	2/28/2014		Yes	N	U		U	1.8	0.24	ug/kg
LT-G-035-6-8-20140224	480-55212-29	ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	2/28/2014		Yes	N	U		U	1.8	0.32	ug/kg
LT-G-035-6-8-20140224	480-55212-29	HEPTACHLOR EPOXIDE	2/28/2014		Yes	N	U		U	1.8	0.46	ug/kg
LT-G-035-6-8-20140224	480-55212-29	HEPTACHLOR	2/28/2014		Yes	N	U		U	1.8	0.28	ug/kg
LT-G-035-6-8-20140224	480-55212-29	GAMMA CHLORDANE	2/28/2014		Yes	N	U		U	1.8	0.56	ug/kg
LT-G-035-6-8-20140224	480-55212-29	ALDRIN	2/28/2014		Yes	N	U		U	1.8	0.43	ug/kg

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Analytical Method		SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801678467	4801678467	CIS-1,2-DICHLOROETHYLENE	2/27/2014		Yes	N	U		U	1.0	0.81	ug/l
4801678467	4801678467	ETHYLBENZENE	2/27/2014		Yes	N	U		U	1.0	0.74	ug/l
4801678467	4801678467	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	2/27/2014		Yes	N	U		U	5.0	2.1	ug/l
4801678467	4801678467	METHYL ETHYL KETONE (2-BUTANONE)	2/27/2014		Yes	N	U		U	10	1.3	ug/l
4801678467	4801678467	METHYL ACETATE	2/27/2014		Yes	N	U		U	2.5	0.50	ug/l
4801678467	4801678467	ISOPROPYLBENZENE (CUMENE)	2/27/2014		Yes	N	U		U	1.0	0.79	ug/l
4801678467	4801678467	DICHLORODIFLUOROMETHANE	2/27/2014		Yes	N	U		U	1.0	0.68	ug/l
4801678467	4801678467	DIBROMOCHLOROMETHANE	2/27/2014		Yes	N	U		U	1.0	0.32	ug/l
4801678467	4801678467	METHYLCYCLOHEXANE	2/27/2014		Yes	N	U		U	1.0	0.16	ug/l
4801678467	4801678467	CIS-1,3-DICHLOROPROPENE	2/27/2014		Yes	N	U		U	1.0	0.36	ug/l
4801678467	4801678467	TERT-BUTYL METHYL ETHER	2/27/2014		Yes	N	U		U	1.0	0.16	ug/l
4801678467	4801678467	CYCLOHEXANE	2/27/2014		Yes	N	U		U	1.0	0.18	ug/l
4801678467	4801678467	METHYLENE CHLORIDE	2/27/2014		Yes	N	U		U	1.0	0.44	ug/l
4801678467	4801678467	N-BUTYLBENZENE	2/27/2014		Yes	N	U		U	1.0	0.64	ug/l
4801678467	4801678467	N-PROPYLBENZENE	2/27/2014		Yes	N	U		U	1.0	0.69	ug/l
4801678467	4801678467	SEC-BUTYLBENZENE	2/27/2014		Yes	N	U		U	1.0	0.75	ug/l
4801678467	4801678467	CHLOROMETHANE	2/27/2014		Yes	N	U		U	1.0	0.35	ug/l
4801678467	4801678467	T-BUTYLBENZENE	2/27/2014		Yes	N	U		U	1.0	0.81	ug/l
4801678467	4801678467	BROMODICHLOROMETHANE	2/27/2014		Yes	N	U		U	1.0	0.39	ug/l
4801678467	4801678467	TETRACHLOROETHYLENE(PCE)	2/27/2014		Yes	N	U		U	1.0	0.36	ug/l
4801678467	4801678467	TOLUENE	2/27/2014		Yes	N	U		U	1.0	0.51	ug/l
4801678467	4801678467	TRANS-1,2-DICHLOROETHENE	2/27/2014		Yes	N	U		U	1.0	0.90	ug/l
4801678467	4801678467	TRANS-1,3-DICHLOROPROPENE	2/27/2014		Yes	N	U		U	1.0	0.37	ug/l
4801678467	4801678467	TRICHLOROETHYLENE (TCE)	2/27/2014		Yes	N	U		U	1.0	0.46	ug/l

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Analytical Method		SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801678467	4801678467	TRICHLOROFLUOROMETHANE	2/27/2014		Yes	N	U		U	1.0	0.88	ug/l
4801678467	4801678467	VINYL CHLORIDE	2/27/2014		Yes	N	U		U	1.0	0.90	ug/l
4801678467	4801678467	STYRENE	2/27/2014		Yes	N	U		U	1.0	0.73	ug/l
4801678467	4801678467	1,2-DICHLOROPROPANE	2/27/2014		Yes	N	U		U	1.0	0.72	ug/l
4801678467	4801678467	CHLOROFORM	2/27/2014		Yes	N	U		U	1.0	0.34	ug/l
4801678467	4801678467	1,1,1-TRICHLOROETHANE	2/27/2014		Yes	N	U		U	1.0	0.82	ug/l
4801678467	4801678467	1,1,2,2-TETRACHLOROETHANE	2/27/2014		Yes	N	U		U	1.0	0.21	ug/l
4801678467	4801678467	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	2/27/2014		Yes	N	U		U	1.0	0.31	ug/l
4801678467	4801678467	1,1,2-TRICHLOROETHANE	2/27/2014		Yes	N	U		U	1.0	0.23	ug/l
4801678467	4801678467	1,1-DICHLOROETHANE	2/27/2014		Yes	N	U		U	1.0	0.38	ug/l
4801678467	4801678467	1,1-DICHLOROETHENE	2/27/2014		Yes	N	U		U	1.0	0.29	ug/l
4801678467	4801678467	1,2,4-TRICHLOROBENZENE	2/27/2014		Yes	N	U		U	1.0	0.41	ug/l
4801678467	4801678467	1,2,4-TRIMETHYLBENZENE	2/27/2014		Yes	N	U		U	1.0	0.75	ug/l
4801678467	4801678467	1,2-DIBROMO-3-CHLOROPROPANE	2/27/2014		Yes	N	U		U	1.0	0.39	ug/l
4801678467	4801678467	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	2/27/2014		Yes	N	U		U	1.0	0.73	ug/l
4801678467	4801678467	BROMOMETHANE	2/27/2014		Yes	N	U		U	1.0	0.69	ug/l
4801678467	4801678467	1,2-DICHLOROETHANE	2/27/2014		Yes	N	U		U	1.0	0.21	ug/l
4801678467	4801678467	XYLENES, TOTAL	2/27/2014		Yes	N	U		U	2.0	0.66	ug/l
4801678467	4801678467	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	2/27/2014		Yes	N	U		U	1.0	0.77	ug/l
4801678467	4801678467	1,3-DICHLOROBENZENE	2/27/2014		Yes	N	U		U	1.0	0.78	ug/l
4801678467	4801678467	1,4-DICHLOROBENZENE	2/27/2014		Yes	N	U		U	1.0	0.84	ug/l
4801678467	4801678467	1,4-DIOXANE (P-DIOXANE)	2/27/2014		Yes	N	U		U	40	9.3	ug/l
4801678467	4801678467	2-HEXANONE	2/27/2014		Yes	N	U		U	5.0	1.2	ug/l
4801678467	4801678467	ACETONE	2/27/2014		Yes	N	U		U	10	3.0	ug/l

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Analytical Method		SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801678467	4801678467	BENZENE	2/27/2014		Yes	N	U		U	1.0	0.41	ug/l
4801678467	4801678467	BROMOFORM	2/27/2014		Yes	N	U		U	1.0	0.26	ug/l
4801678467	4801678467	CARBON DISULFIDE	2/27/2014		Yes	N	U		U	1.0	0.19	ug/l
4801678467	4801678467	CARBON TETRACHLORIDE	2/27/2014		Yes	N	U		U	1.0	0.27	ug/l
4801678467	4801678467	CHLOROETHANE	2/27/2014		Yes	N	U		U	1.0	0.32	ug/l
4801678467	4801678467	1,2-DICHLOROBENZENE	2/27/2014		Yes	N	U		U	1.0	0.79	ug/l
4801678467	4801678467	CHLOROBENZENE	2/27/2014		Yes	N	U		U	1.0	0.75	ug/l
FB029-20140224	480-55212-30	1,1,1-TRICHLOROETHANE	2/27/2014		Yes	N	U		U	1.0	0.82	ug/l
FB029-20140224	480-55212-30	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	2/27/2014		Yes	N	U		U	1.0	0.77	ug/l
FB029-20140224	480-55212-30	CHLOROETHANE	2/27/2014		Yes	N	U		U	1.0	0.32	ug/l
FB029-20140224	480-55212-30	CHLOROBENZENE	2/27/2014		Yes	N	U		U	1.0	0.75	ug/l
FB029-20140224	480-55212-30	CARBON TETRACHLORIDE	2/27/2014		Yes	N	U		U	1.0	0.27	ug/l
FB029-20140224	480-55212-30	CARBON DISULFIDE	2/27/2014		Yes	N	U		U	1.0	0.19	ug/l
FB029-20140224	480-55212-30	BROMOMETHANE	2/27/2014		Yes	N	U		U	1.0	0.69	ug/l
FB029-20140224	480-55212-30	BROMOFORM	2/27/2014		Yes	N	U		U	1.0	0.26	ug/l
FB029-20140224	480-55212-30	BROMODICHLOROMETHANE	2/27/2014		Yes	N	U		U	1.0	0.39	ug/l
FB029-20140224	480-55212-30	BENZENE	2/27/2014		Yes	N	U		U	1.0	0.41	ug/l
FB029-20140224	480-55212-30	ACETONE	2/27/2014		Yes	N	U		U	10	3.0	ug/l
FB029-20140224	480-55212-30	2-HEXANONE	2/27/2014		Yes	N	U		U	5.0	1.2	ug/l
FB029-20140224	480-55212-30	1,4-DIOXANE (P-DIOXANE)	2/27/2014		Yes	N	U		U	40	9.3	ug/l
FB029-20140224	480-55212-30	CHLOROFORM	2/27/2014		Yes	N	U		U	1.0	0.34	ug/l
FB029-20140224	480-55212-30	1,3-DICHLOROBENZENE	2/27/2014		Yes	N	U		U	1.0	0.78	ug/l
FB029-20140224	480-55212-30	1,2-DICHLOROPROPANE	2/27/2014		Yes	N	U		U	1.0	0.72	ug/l
FB029-20140224	480-55212-30	1,2-DICHLOROETHANE	2/27/2014		Yes	N	U		U	1.0	0.21	ug/l

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Analytical Method		SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB029-20140224	480-55212-30	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	2/27/2014		Yes	N	U		U	1.0	0.73	ug/l
FB029-20140224	480-55212-30	1,2-DIBROMO-3-CHLOROPROPANE	2/27/2014		Yes	N	U		U	1.0	0.39	ug/l
FB029-20140224	480-55212-30	1,2,4-TRIMETHYLBENZENE	2/27/2014		Yes	N	U		U	1.0	0.75	ug/l
FB029-20140224	480-55212-30	1,2,4-TRICHLOROBENZENE	2/27/2014		Yes	N	U		U	1.0	0.41	ug/l
FB029-20140224	480-55212-30	1,1-DICHLOROETHENE	2/27/2014		Yes	N	U		U	1.0	0.29	ug/l
FB029-20140224	480-55212-30	1,1-DICHLOROETHANE	2/27/2014		Yes	N	U		U	1.0	0.38	ug/l
FB029-20140224	480-55212-30	1,1,2-TRICHLOROETHANE	2/27/2014		Yes	N	U		U	1.0	0.23	ug/l
FB029-20140224	480-55212-30	1,1,2,2-TETRACHLOROETHANE	2/27/2014		Yes	N	U		U	1.0	0.21	ug/l
FB029-20140224	480-55212-30	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	2/27/2014		Yes	N	U		U	1.0	0.31	ug/l
FB029-20140224	480-55212-30	XYLENES, TOTAL	2/27/2014		Yes	N	U		U	2.0	0.66	ug/l
FB029-20140224	480-55212-30	1,4-DICHLOROBENZENE	2/27/2014		Yes	N	U		U	1.0	0.84	ug/l
FB029-20140224	480-55212-30	TERT-BUTYL METHYL ETHER	2/27/2014		Yes	N	U		U	1.0	0.16	ug/l
FB029-20140224	480-55212-30	TRICHLOROFLUOROMETHANE	2/27/2014		Yes	N	U		U	1.0	0.88	ug/l
FB029-20140224	480-55212-30	1,2-DICHLOROBENZENE	2/27/2014		Yes	N	U		U	1.0	0.79	ug/l
FB029-20140224	480-55212-30	VINYL CHLORIDE	2/27/2014		Yes	N	U		U	1.0	0.90	ug/l
FB029-20140224	480-55212-30	CHLOROMETHANE	2/27/2014		Yes	N	U		U	1.0	0.35	ug/l
FB029-20140224	480-55212-30	TRICHLOROETHYLENE (TCE)	2/27/2014		Yes	N	U		U	1.0	0.46	ug/l
FB029-20140224	480-55212-30	TRANS-1,3-DICHLOROPROPENE	2/27/2014		Yes	N	U		U	1.0	0.37	ug/l
FB029-20140224	480-55212-30	TRANS-1,2-DICHLOROETHENE	2/27/2014		Yes	N	U		U	1.0	0.90	ug/l
FB029-20140224	480-55212-30	TETRACHLOROETHYLENE(PCE)	2/27/2014		Yes	N	U		U	1.0	0.36	ug/l
FB029-20140224	480-55212-30	T-BUTYLBENZENE	2/27/2014		Yes	N	U		U	1.0	0.81	ug/l
FB029-20140224	480-55212-30	STYRENE	2/27/2014		Yes	N	U		U	1.0	0.73	ug/l
FB029-20140224	480-55212-30	SEC-BUTYLBENZENE	2/27/2014		Yes	N	U		U	1.0	0.75	ug/l
FB029-20140224	480-55212-30	N-PROPYLBENZENE	2/27/2014		Yes	N	U		U	1.0	0.69	ug/l

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Analytical Method		SW8260C										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB029-20140224	480-55212-30	ISOPROPYLBENZENE (CUMENE)	2/27/2014		Yes	N	U		U	1.0	0.79	ug/l
FB029-20140224	480-55212-30	CIS-1,2-DICHLOROETHYLENE	2/27/2014		Yes	N	U		U	1.0	0.81	ug/l
FB029-20140224	480-55212-30	CIS-1,3-DICHLOROPROPENE	2/27/2014		Yes	N	U		U	1.0	0.36	ug/l
FB029-20140224	480-55212-30	CYCLOHEXANE	2/27/2014		Yes	N	U		U	1.0	0.18	ug/l
FB029-20140224	480-55212-30	TOLUENE	2/27/2014		Yes	N	U		U	1.0	0.51	ug/l
FB029-20140224	480-55212-30	N-BUTYLBENZENE	2/27/2014		Yes	N	U		U	1.0	0.64	ug/l
FB029-20140224	480-55212-30	DICHLORODIFLUOROMETHANE	2/27/2014		Yes	N	U		U	1.0	0.68	ug/l
FB029-20140224	480-55212-30	ETHYLBENZENE	2/27/2014		Yes	N	U		U	1.0	0.74	ug/l
FB029-20140224	480-55212-30	DIBROMOCHLOROMETHANE	2/27/2014		Yes	N	U		U	1.0	0.32	ug/l
FB029-20140224	480-55212-30	METHYL ACETATE	2/27/2014		Yes	N	U		U	2.5	0.50	ug/l
FB029-20140224	480-55212-30	METHYL ETHYL KETONE (2-BUTANONE)	2/27/2014		Yes	N	U		U	10	1.3	ug/l
FB029-20140224	480-55212-30	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	2/27/2014		Yes	N	U		U	5.0	2.1	ug/l
FB029-20140224	480-55212-30	METHYLCYCLOHEXANE	2/27/2014		Yes	N	U		U	1.0	0.16	ug/l
FB029-20140224	480-55212-30	METHYLENE CHLORIDE	2/27/2014	0.74	Yes	Y	J		J	1.0	0.44	ug/l

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801678471A	4801678471A	BIS(2-ETHYLHEXYL) PHTHALATE	2/28/2014		Yes	N	U		U	5.0	1.8	ug/l
4801678471A	4801678471A	DI-N-OCTYLPHTHALATE	2/28/2014		Yes	N	U		U	5.0	0.47	ug/l
4801678471A	4801678471A	DIMETHYL PHTHALATE	2/28/2014		Yes	N	U		U	5.0	0.36	ug/l
4801678471A	4801678471A	DIETHYL PHTHALATE	2/28/2014		Yes	N	U		U	5.0	0.22	ug/l
4801678471A	4801678471A	DIBENZOFURAN	2/28/2014		Yes	N	U		U	10	0.51	ug/l
4801678471A	4801678471A	DIBENZ(A,H)ANTHRACENE	2/28/2014		Yes	N	U		U	5.0	0.42	ug/l
4801678471A	4801678471A	CHRYSENE	2/28/2014		Yes	N	U		U	5.0	0.33	ug/l
4801678471A	4801678471A	BENZO(K)FLUORANTHENE	2/28/2014		Yes	N	U		U	5.0	0.73	ug/l

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801678471A	4801678471A	CAPROLACTAM	2/28/2014		Yes	N	U		U	5.0	2.2	ug/l
4801678471A	4801678471A	HEXACHLOROBUTADIENE	2/28/2014		Yes	N	U		U	5.0	0.68	ug/l
4801678471A	4801678471A	BIS(2-CHLOROISOPROPYL) ETHER	2/28/2014		Yes	N	U		U	5.0	0.52	ug/l
4801678471A	4801678471A	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/28/2014		Yes	N	U		U	5.0	0.40	ug/l
4801678471A	4801678471A	BIS(2-CHLOROETHOXY) METHANE	2/28/2014		Yes	N	U		U	5.0	0.35	ug/l
4801678471A	4801678471A	BIPHENYL (DIPHENYL)	2/28/2014		Yes	N	U		U	5.0	0.65	ug/l
4801678471A	4801678471A	BENZYL BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	5.0	0.42	ug/l
4801678471A	4801678471A	CARBAZOLE	2/28/2014		Yes	N	U		U	5.0	0.30	ug/l
4801678471A	4801678471A	NITROBENZENE	2/28/2014		Yes	N	U		U	5.0	0.29	ug/l
4801678471A	4801678471A	2-CHLOROPHENOL	2/28/2014		Yes	N	U		U	5.0	0.53	ug/l
4801678471A	4801678471A	PYRENE	2/28/2014		Yes	N	U		U	5.0	0.34	ug/l
4801678471A	4801678471A	PHENOL	2/28/2014		Yes	N	U		U	5.0	0.39	ug/l
4801678471A	4801678471A	PHENANTHRENE	2/28/2014		Yes	N	U		U	5.0	0.44	ug/l
4801678471A	4801678471A	PENTACHLOROPHENOL	2/28/2014		Yes	N	U		U	10	2.2	ug/l
4801678471A	4801678471A	FLUORENE	2/28/2014		Yes	N	U		U	5.0	0.36	ug/l
4801678471A	4801678471A	N-NITROSODI-N-PROPYLAMINE	2/28/2014		Yes	N	U		U	5.0	0.54	ug/l
4801678471A	4801678471A	HEXACHLOROBENZENE	2/28/2014		Yes	N	U		U	5.0	0.51	ug/l
4801678471A	4801678471A	NAPHTHALENE	2/28/2014		Yes	N	U		U	5.0	0.76	ug/l
4801678471A	4801678471A	ISOPHORONE	2/28/2014		Yes	N	U		U	5.0	0.43	ug/l
4801678471A	4801678471A	INDENO(1,2,3-C,D)PYRENE	2/28/2014		Yes	N	U		U	5.0	0.47	ug/l
4801678471A	4801678471A	HEXACHLOROETHANE	2/28/2014		Yes	N	U		U	5.0	0.59	ug/l
4801678471A	4801678471A	HEXACHLOROCYCLOPENTADIENE	2/28/2014		Yes	N	U		U	5.0	0.59	ug/l
4801678471A	4801678471A	DI-N-BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	5.0	0.31	ug/l
4801678471A	4801678471A	N-NITROSODIPHENYLAMINE	2/28/2014		Yes	N	U		U	5.0	0.51	ug/l

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Analytical Method SW8270D

Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801678471A	4801678471A	2,4,6-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	5.0	0.61	ug/l
4801678471A	4801678471A	4,6-DINITRO-2-METHYLPHENOL	2/28/2014		Yes	N	U		U	10	2.2	ug/l
4801678471A	4801678471A	3-NITROANILINE	2/28/2014		Yes	N	U		U	10	0.48	ug/l
4801678471A	4801678471A	3,3'-DICHLOROBENZIDINE	2/28/2014		Yes	N	U		U	5.0	0.40	ug/l
4801678471A	4801678471A	2-NITROPHENOL	2/28/2014		Yes	N	U		U	5.0	0.48	ug/l
4801678471A	4801678471A	2-NITROANILINE	2/28/2014		Yes	N	U		U	10	0.42	ug/l
4801678471A	4801678471A	2-METHYLPHENOL (O-CRESOL)	2/28/2014		Yes	N	U		U	5.0	0.40	ug/l
4801678471A	4801678471A	4-BROMOPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	5.0	0.45	ug/l
4801678471A	4801678471A	2,4,5-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	5.0	0.48	ug/l
4801678471A	4801678471A	2,4-DINITROPHENOL	2/28/2014		Yes	N	U		U	10	2.2	ug/l
4801678471A	4801678471A	2,4-DICHLOROPHENOL	2/28/2014		Yes	N	U		U	5.0	0.51	ug/l
4801678471A	4801678471A	2,4-DIMETHYLPHENOL	2/28/2014		Yes	N	U		U	5.0	0.50	ug/l
4801678471A	4801678471A	BENZO(G,H,I)PERYLENE	2/28/2014		Yes	N	U		U	5.0	0.35	ug/l
4801678471A	4801678471A	2,4-DINITROTOLUENE	2/28/2014		Yes	N	U		U	5.0	0.45	ug/l
4801678471A	4801678471A	FLUORANTHENE	2/28/2014		Yes	N	U		U	5.0	0.40	ug/l
4801678471A	4801678471A	2,6-DINITROTOLUENE	2/28/2014		Yes	N	U		U	5.0	0.40	ug/l
4801678471A	4801678471A	2-CHLORONAPHTHALENE	2/28/2014		Yes	N	U		U	5.0	0.46	ug/l
4801678471A	4801678471A	2-METHYLNAPHTHALENE	2/28/2014		Yes	N	U		U	5.0	0.60	ug/l
4801678471A	4801678471A	BENZALDEHYDE	2/28/2014		Yes	N	U		U	5.0	0.27	ug/l
4801678471A	4801678471A	BENZO(B)FLUORANTHENE	2/28/2014		Yes	N	U		U	5.0	0.34	ug/l
4801678471A	4801678471A	4-CHLORO-3-METHYLPHENOL	2/28/2014		Yes	N	U		U	5.0	0.45	ug/l
4801678471A	4801678471A	BENZO(A)ANTHRACENE	2/28/2014		Yes	N	U		U	5.0	0.36	ug/l
4801678471A	4801678471A	BENZO(A)PYRENE	2/28/2014		Yes	N	U		U	5.0	0.47	ug/l
4801678471A	4801678471A	ATRAZINE	2/28/2014		Yes	N	U		U	5.0	0.46	ug/l
4801678471A	4801678471A	ANTHRACENE	2/28/2014		Yes	N	U		U	5.0	0.28	ug/l

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801678471A	4801678471A	ACETOPHENONE	2/28/2014		Yes	N	U		U	5.0	0.54	ug/l
4801678471A	4801678471A	ACENAPHTHYLENE	2/28/2014		Yes	N	U		U	5.0	0.38	ug/l
4801678471A	4801678471A	4-NITROPHENOL	2/28/2014		Yes	N	U		U	10	1.5	ug/l
4801678471A	4801678471A	4-NITROANILINE	2/28/2014		Yes	N	U		U	10	0.25	ug/l
4801678471A	4801678471A	4-METHYLPHENOL (P-CRESOL)	2/28/2014		Yes	N	U		U	10	0.36	ug/l
4801678471A	4801678471A	4-CHLOROPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	5.0	0.35	ug/l
4801678471A	4801678471A	ACENAPHTHENE	2/28/2014		Yes	N	U		U	5.0	0.41	ug/l
4801678471A	4801678471A	4-CHLOROANILINE	2/28/2014		Yes	N	U		U	5.0	0.59	ug/l
4801679191A	4801679191A	BIS(2-CHLOROISOPROPYL) ETHER	2/28/2014		Yes	N	U		U	170	18	ug/kg
4801679191A	4801679191A	DIMETHYL PHTHALATE	2/28/2014		Yes	N	U		U	170	4.4	ug/kg
4801679191A	4801679191A	DIETHYL PHTHALATE	2/28/2014		Yes	N	U		U	170	5.1	ug/kg
4801679191A	4801679191A	DIBENZOFURAN	2/28/2014		Yes	N	U		U	170	1.7	ug/kg
4801679191A	4801679191A	BENZO(K)FLUORANTHENE	2/28/2014		Yes	N	U		U	170	1.9	ug/kg
4801679191A	4801679191A	DIBENZ(A,H)ANTHRACENE	2/28/2014		Yes	N	U		U	170	2.0	ug/kg
4801679191A	4801679191A	CHRYSENE	2/28/2014		Yes	N	U		U	170	1.7	ug/kg
4801679191A	4801679191A	CARBAZOLE	2/28/2014		Yes	N	U		U	170	1.9	ug/kg
4801679191A	4801679191A	BIS(2-CHLOROETHOXY) METHANE	2/28/2014		Yes	N	U		U	170	9.1	ug/kg
4801679191A	4801679191A	BIS(2-ETHYLHEXYL) PHTHALATE	2/28/2014		Yes	N	U		U	170	54	ug/kg
4801679191A	4801679191A	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/28/2014		Yes	N	U		U	170	15	ug/kg
4801679191A	4801679191A	DI-N-BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	170	58	ug/kg
4801679191A	4801679191A	BENZYL BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	170	45	ug/kg
4801679191A	4801679191A	BIPHENYL (DIPHENYL)	2/28/2014		Yes	N	U		U	170	10	ug/kg
4801679191A	4801679191A	CAPROLACTAM	2/28/2014		Yes	N	U		U	170	73	ug/kg
4801679191A	4801679191A	NAPHTHALENE	2/28/2014		Yes	N	U		U	170	2.8	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801679191A	4801679191A	BENZO(G,H,I)PERYLENE	2/28/2014		Yes	N	U		U	170	2.0	ug/kg
4801679191A	4801679191A	HEXACHLOROCYCLOPENTADIENE	2/28/2014		Yes	N	U		U	170	51	ug/kg
4801679191A	4801679191A	PYRENE	2/28/2014		Yes	N	U		U	170	1.1	ug/kg
4801679191A	4801679191A	PHENANTHRENE	2/28/2014		Yes	N	U		U	170	3.5	ug/kg
4801679191A	4801679191A	PENTACHLOROPHENOL	2/28/2014		Yes	N	U		U	330	58	ug/kg
4801679191A	4801679191A	N-NITROSODIPHENYLAMINE	2/28/2014		Yes	N	U		U	170	9.2	ug/kg
4801679191A	4801679191A	HEXACHLOROETHANE	2/28/2014		Yes	N	U		U	170	13	ug/kg
4801679191A	4801679191A	NITROBENZENE	2/28/2014		Yes	N	U		U	170	7.5	ug/kg
4801679191A	4801679191A	DI-N-OCTYLPHTHALATE	2/28/2014		Yes	N	U		U	170	3.9	ug/kg
4801679191A	4801679191A	ISOPHORONE	2/28/2014		Yes	N	U		U	170	8.4	ug/kg
4801679191A	4801679191A	PHENOL	2/28/2014		Yes	N	U		U	170	18	ug/kg
4801679191A	4801679191A	HEXACHLOROBUTADIENE	2/28/2014		Yes	N	U		U	170	8.6	ug/kg
4801679191A	4801679191A	HEXACHLOROBENZENE	2/28/2014		Yes	N	U		U	170	8.4	ug/kg
4801679191A	4801679191A	FLUORENE	2/28/2014		Yes	N	U		U	170	3.9	ug/kg
4801679191A	4801679191A	FLUORANTHENE	2/28/2014		Yes	N	U		U	170	2.4	ug/kg
4801679191A	4801679191A	N-NITROSODI-N-PROPYLAMINE	2/28/2014		Yes	N	U		U	170	13	ug/kg
4801679191A	4801679191A	2-CHLORONAPHTHALENE	2/28/2014		Yes	N	U		U	170	11	ug/kg
4801679191A	4801679191A	4-METHYLPHENOL (P-CRESOL)	2/28/2014		Yes	N	U		U	330	9.4	ug/kg
4801679191A	4801679191A	4-CHLOROPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	170	3.6	ug/kg
4801679191A	4801679191A	4-CHLOROANILINE	2/28/2014		Yes	N	U		U	170	49	ug/kg
4801679191A	4801679191A	4-CHLORO-3-METHYLPHENOL	2/28/2014		Yes	N	U		U	170	6.9	ug/kg
4801679191A	4801679191A	4,6-DINITRO-2-METHYLPHENOL	2/28/2014		Yes	N	U		U	330	58	ug/kg
4801679191A	4801679191A	3,3'-DICHLOROBENZIDINE	2/28/2014		Yes	N	U		U	170	150	ug/kg
4801679191A	4801679191A	2-NITROPHENOL	2/28/2014		Yes	N	U		U	170	7.7	ug/kg
4801679191A	4801679191A	2-NITROANILINE	2/28/2014		Yes	N	U		U	330	54	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801679191A	4801679191A	2-METHYLPHENOL (O-CRESOL)	2/28/2014		Yes	N	U		U	170	5.2	ug/kg
4801679191A	4801679191A	4-NITROANILINE	2/28/2014		Yes	N	U		U	330	19	ug/kg
4801679191A	4801679191A	2-CHLOROPHENOL	2/28/2014		Yes	N	U		U	170	8.6	ug/kg
4801679191A	4801679191A	4-BROMOPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	170	53	ug/kg
4801679191A	4801679191A	2,6-DINITROTOLUENE	2/28/2014		Yes	N	U		U	170	41	ug/kg
4801679191A	4801679191A	2,4-DINITROTOLUENE	2/28/2014		Yes	N	U		U	170	26	ug/kg
4801679191A	4801679191A	2,4-DINITROPHENOL	2/28/2014		Yes	N	U		U	330	59	ug/kg
4801679191A	4801679191A	2,4-DIMETHYLPHENOL	2/28/2014		Yes	N	U		U	170	45	ug/kg
4801679191A	4801679191A	2,4-DICHLOROPHENOL	2/28/2014		Yes	N	U		U	170	8.8	ug/kg
4801679191A	4801679191A	2,4,6-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	170	11	ug/kg
4801679191A	4801679191A	2,4,5-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	170	37	ug/kg
4801679191A	4801679191A	BENZO(B)FLUORANTHENE	2/28/2014		Yes	N	U		U	170	3.3	ug/kg
4801679191A	4801679191A	INDENO(1,2,3-C,D)PYRENE	2/28/2014		Yes	N	U		U	170	4.7	ug/kg
4801679191A	4801679191A	2-METHYLNAPHTHALENE	2/28/2014		Yes	N	U		U	170	2.0	ug/kg
4801679191A	4801679191A	ACENAPHTHYLENE	2/28/2014		Yes	N	U		U	170	1.4	ug/kg
4801679191A	4801679191A	BENZO(A)PYRENE	2/28/2014		Yes	N	U		U	170	4.1	ug/kg
4801679191A	4801679191A	BENZO(A)ANTHRACENE	2/28/2014		Yes	N	U		U	170	2.9	ug/kg
4801679191A	4801679191A	BENZALDEHYDE	2/28/2014		Yes	N	U		U	170	18	ug/kg
4801679191A	4801679191A	ATRAZINE	2/28/2014		Yes	N	U		U	170	7.5	ug/kg
4801679191A	4801679191A	3-NITROANILINE	2/28/2014		Yes	N	U		U	330	39	ug/kg
4801679191A	4801679191A	ACETOPHENONE	2/28/2014		Yes	N	U		U	170	8.6	ug/kg
4801679191A	4801679191A	ACENAPHTHENE	2/28/2014		Yes	N	U		U	170	2.0	ug/kg
4801679191A	4801679191A	4-NITROPHENOL	2/28/2014		Yes	N	U		U	330	41	ug/kg
4801679191A	4801679191A	ANTHRACENE	2/28/2014		Yes	N	U		U	170	4.3	ug/kg
4801679251A	4801679251A	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	170	5.0	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801679251A	4801679251A	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	170	3.6	ug/kg
4801679251A	4801679251A	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U		U	330	9.3	ug/kg
4801679251A	4801679251A	CHRYSENE	3/4/2014		Yes	N	U		U	170	1.7	ug/kg
4801679251A	4801679251A	CARBAZOLE	3/4/2014		Yes	N	U		U	170	1.9	ug/kg
4801679251A	4801679251A	CAPROLACTAM	3/4/2014		Yes	N	U		U	170	72	ug/kg
4801679251A	4801679251A	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U		U	170	54	ug/kg
4801679251A	4801679251A	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	170	8.3	ug/kg
4801679251A	4801679251A	DIBENZOFURAN	3/4/2014		Yes	N	U		U	170	1.7	ug/kg
4801679251A	4801679251A	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	170	53	ug/kg
4801679251A	4801679251A	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	170	4.4	ug/kg
4801679251A	4801679251A	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	170	58	ug/kg
4801679251A	4801679251A	DI-N-OCTYL PHTHALATE	3/4/2014		Yes	N	U		U	170	3.9	ug/kg
4801679251A	4801679251A	FLUORANTHENE	3/4/2014		Yes	N	U		U	170	2.4	ug/kg
4801679251A	4801679251A	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	170	11	ug/kg
4801679251A	4801679251A	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	170	2.0	ug/kg
4801679251A	4801679251A	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	170	5.1	ug/kg
4801679251A	4801679251A	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U		U	170	8.8	ug/kg
4801679251A	4801679251A	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		U	170	45	ug/kg
4801679251A	4801679251A	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	330	58	ug/kg
4801679251A	4801679251A	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		U	170	26	ug/kg
4801679251A	4801679251A	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U		U	170	41	ug/kg
4801679251A	4801679251A	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		U	170	11	ug/kg
4801679251A	4801679251A	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	170	49	ug/kg
4801679251A	4801679251A	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		U	170	2.0	ug/kg
4801679251A	4801679251A	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U		U	170	6.9	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801679251A	4801679251A	2-NITROANILINE	3/4/2014		Yes	N	U		U	330	54	ug/kg
4801679251A	4801679251A	2-NITROPHENOL	3/4/2014		Yes	N	U		U	170	7.6	ug/kg
4801679251A	4801679251A	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		U	170	150	ug/kg
4801679251A	4801679251A	3-NITROANILINE	3/4/2014		Yes	N	U		U	330	38	ug/kg
4801679251A	4801679251A	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		U	330	58	ug/kg
4801679251A	4801679251A	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	170	8.5	ug/kg
4801679251A	4801679251A	2-CHLOROPHENOL	3/4/2014		Yes	N	U		U	170	8.5	ug/kg
4801679251A	4801679251A	ATRAZINE	3/4/2014		Yes	N	U		U	170	7.4	ug/kg
4801679251A	4801679251A	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	170	45	ug/kg
4801679251A	4801679251A	FLUORENE	3/4/2014		Yes	N	U		U	170	3.8	ug/kg
4801679251A	4801679251A	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	170	2.0	ug/kg
4801679251A	4801679251A	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	170	3.2	ug/kg
4801679251A	4801679251A	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	170	4.0	ug/kg
4801679251A	4801679251A	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	170	36	ug/kg
4801679251A	4801679251A	BENZALDEHYDE	3/4/2014		Yes	N	U		U	170	18	ug/kg
4801679251A	4801679251A	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	170	10	ug/kg
4801679251A	4801679251A	ANTHRACENE	3/4/2014		Yes	N	U		U	170	4.3	ug/kg
4801679251A	4801679251A	ACETOPHENONE	3/4/2014		Yes	N	U		U	170	8.6	ug/kg
4801679251A	4801679251A	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	170	1.4	ug/kg
4801679251A	4801679251A	ACENAPHTHENE	3/4/2014		Yes	N	U		U	170	2.0	ug/kg
4801679251A	4801679251A	4-NITROPHENOL	3/4/2014		Yes	N	U		U	330	40	ug/kg
4801679251A	4801679251A	4-NITROANILINE	3/4/2014		Yes	N	U		U	330	19	ug/kg
4801679251A	4801679251A	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U		U	170	2.9	ug/kg
4801679251A	4801679251A	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U		U	170	13	ug/kg
4801679251A	4801679251A	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	170	51	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
4801679251A	4801679251A	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	170	13	ug/kg
4801679251A	4801679251A	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	170	4.6	ug/kg
4801679251A	4801679251A	ISOPHORONE	3/4/2014		Yes	N	U		U	170	8.3	ug/kg
4801679251A	4801679251A	NAPHTHALENE	3/4/2014		Yes	N	U		U	170	2.8	ug/kg
4801679251A	4801679251A	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	170	1.8	ug/kg
4801679251A	4801679251A	NITROBENZENE	3/4/2014		Yes	N	U		U	170	7.4	ug/kg
4801679251A	4801679251A	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	170	9.1	ug/kg
4801679251A	4801679251A	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U		U	170	9.1	ug/kg
4801679251A	4801679251A	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		U	330	57	ug/kg
4801679251A	4801679251A	PHENANTHRENE	3/4/2014		Yes	N	U		U	170	3.5	ug/kg
4801679251A	4801679251A	PHENOL	3/4/2014		Yes	N	U		U	170	18	ug/kg
4801679251A	4801679251A	PYRENE	3/4/2014		Yes	N	U		U	170	1.1	ug/kg
4801679251A	4801679251A	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		U	170	17	ug/kg
4801679251A	4801679251A	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	170	14	ug/kg
DUP029-20140224	480-55212-10	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	5.5	ug/kg
DUP029-20140224	480-55212-10	CARBAZOLE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
DUP029-20140224	480-55212-10	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
DUP029-20140224	480-55212-10	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	4.8	ug/kg
DUP029-20140224	480-55212-10	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	63	ug/kg
DUP029-20140224	480-55212-10	CHRYSENE	3/4/2014		Yes	N	U		U	180	1.8	ug/kg
DUP029-20140224	480-55212-10	DIBENZOFURAN	3/4/2014		Yes	N	U		U	180	1.9	ug/kg
DUP029-20140224	480-55212-10	CAPROLACTAM	3/4/2014		Yes	N	U		U	180	79	ug/kg
DUP029-20140224	480-55212-10	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		U	180	19	ug/kg
DUP029-20140224	480-55212-10	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	180	11	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP029-20140224	480-55212-10	DI-N-OCTYLPHthalate	3/4/2014		Yes	N	U		U	180	4.3	ug/kg
DUP029-20140224	480-55212-10	PHENANTHRENE	3/4/2014		Yes	N	U		U	180	3.8	ug/kg
DUP029-20140224	480-55212-10	BENZYL BUTYL PHthalate	3/4/2014		Yes	N	U		U	180	49	ug/kg
DUP029-20140224	480-55212-10	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.0	ug/kg
DUP029-20140224	480-55212-10	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	180	10	ug/kg
DUP029-20140224	480-55212-10	ISOPHORONE	3/4/2014		Yes	N	U		U	180	9.1	ug/kg
DUP029-20140224	480-55212-10	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	180	16	ug/kg
DUP029-20140224	480-55212-10	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
DUP029-20140224	480-55212-10	PYRENE	3/4/2014		Yes	N	U		U	180	1.2	ug/kg
DUP029-20140224	480-55212-10	PHENOL	3/4/2014		Yes	N	U		U	180	19	ug/kg
DUP029-20140224	480-55212-10	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		U	360	63	ug/kg
DUP029-20140224	480-55212-10	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U		U	180	14	ug/kg
DUP029-20140224	480-55212-10	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U		U	180	10	ug/kg
DUP029-20140224	480-55212-10	NAPHTHALENE	3/4/2014		Yes	N	U		U	180	3.0	ug/kg
DUP029-20140224	480-55212-10	FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.7	ug/kg
DUP029-20140224	480-55212-10	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	180	5.1	ug/kg
DUP029-20140224	480-55212-10	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	180	14	ug/kg
DUP029-20140224	480-55212-10	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	180	55	ug/kg
DUP029-20140224	480-55212-10	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	180	9.4	ug/kg
DUP029-20140224	480-55212-10	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	180	9.1	ug/kg
DUP029-20140224	480-55212-10	FLUORENE	3/4/2014		Yes	N	U		U	180	4.2	ug/kg
DUP029-20140224	480-55212-10	NITROBENZENE	3/4/2014		Yes	N	U		U	180	8.1	ug/kg
DUP029-20140224	480-55212-10	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	28	ug/kg
DUP029-20140224	480-55212-10	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		U	180	160	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP029-20140224	480-55212-10	2-NITROPHENOL	3/4/2014		Yes	N	U		U	180	8.4	ug/kg
DUP029-20140224	480-55212-10	2-NITROANILINE	3/4/2014		Yes	N	U		U	360	59	ug/kg
DUP029-20140224	480-55212-10	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	180	5.6	ug/kg
DUP029-20140224	480-55212-10	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
DUP029-20140224	480-55212-10	3-NITROANILINE	3/4/2014		Yes	N	U		U	360	42	ug/kg
DUP029-20140224	480-55212-10	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	3.6	ug/kg
DUP029-20140224	480-55212-10	2-CHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.3	ug/kg
DUP029-20140224	480-55212-10	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	360	64	ug/kg
DUP029-20140224	480-55212-10	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		U	180	49	ug/kg
DUP029-20140224	480-55212-10	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.6	ug/kg
DUP029-20140224	480-55212-10	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	12	ug/kg
DUP029-20140224	480-55212-10	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	40	ug/kg
DUP029-20140224	480-55212-10	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U		U	180	59	ug/kg
DUP029-20140224	480-55212-10	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		U	180	12	ug/kg
DUP029-20140224	480-55212-10	ACETOPHENONE	3/4/2014		Yes	N	U		U	180	9.4	ug/kg
DUP029-20140224	480-55212-10	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	45	ug/kg
DUP029-20140224	480-55212-10	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	180	4.4	ug/kg
DUP029-20140224	480-55212-10	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		U	360	63	ug/kg
DUP029-20140224	480-55212-10	BENZALDEHYDE	3/4/2014		Yes	N	U		U	180	20	ug/kg
DUP029-20140224	480-55212-10	ANTHRACENE	3/4/2014		Yes	N	U		U	180	4.7	ug/kg
DUP029-20140224	480-55212-10	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U		U	180	3.2	ug/kg
DUP029-20140224	480-55212-10	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	180	1.5	ug/kg
DUP029-20140224	480-55212-10	ACENAPHTHENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
DUP029-20140224	480-55212-10	4-NITROPHENOL	3/4/2014		Yes	N	U		U	360	44	ug/kg
DUP029-20140224	480-55212-10	4-NITROANILINE	3/4/2014		Yes	N	U		U	360	20	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP029-20140224	480-55212-10	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U		U	360	10	ug/kg
DUP029-20140224	480-55212-10	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	3.9	ug/kg
DUP029-20140224	480-55212-10	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	180	54	ug/kg
DUP029-20140224	480-55212-10	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U		U	180	7.5	ug/kg
DUP029-20140224	480-55212-10	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	58	ug/kg
DUP029-20140224	480-55212-10	ATRAZINE	3/4/2014		Yes	N	U		U	180	8.1	ug/kg
DUP030-20140224	480-55212-11	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U		U	180	4.3	ug/kg
DUP030-20140224	480-55212-11	CHRYSENE	3/4/2014		Yes	N	U		U	180	1.8	ug/kg
DUP030-20140224	480-55212-11	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	63	ug/kg
DUP030-20140224	480-55212-11	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	4.8	ug/kg
DUP030-20140224	480-55212-11	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	5.5	ug/kg
DUP030-20140224	480-55212-11	DIBENZOFURAN	3/4/2014		Yes	N	U		U	180	1.9	ug/kg
DUP030-20140224	480-55212-11	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
DUP030-20140224	480-55212-11	CARBAZOLE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
DUP030-20140224	480-55212-11	CAPROLACTAM	3/4/2014		Yes	N	U		U	180	79	ug/kg
DUP030-20140224	480-55212-11	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U		U	180	59	ug/kg
DUP030-20140224	480-55212-11	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		U	180	19	ug/kg
DUP030-20140224	480-55212-11	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	180	16	ug/kg
DUP030-20140224	480-55212-11	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	180	10	ug/kg
DUP030-20140224	480-55212-11	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	49	ug/kg
DUP030-20140224	480-55212-11	PYRENE	3/4/2014		Yes	N	U		U	180	1.2	ug/kg
DUP030-20140224	480-55212-11	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	180	11	ug/kg
DUP030-20140224	480-55212-11	ISOPHORONE	3/4/2014		Yes	N	U		U	180	9.2	ug/kg
DUP030-20140224	480-55212-11	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		U	360	63	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP030-20140224	480-55212-11	PHENOL	3/4/2014		Yes	N	U		U	180	19	ug/kg
DUP030-20140224	480-55212-11	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.0	ug/kg
DUP030-20140224	480-55212-11	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		U	360	63	ug/kg
DUP030-20140224	480-55212-11	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U		U	180	10	ug/kg
DUP030-20140224	480-55212-11	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U		U	180	15	ug/kg
DUP030-20140224	480-55212-11	PHENANTHRENE	3/4/2014		Yes	N	U		U	180	3.8	ug/kg
DUP030-20140224	480-55212-11	NAPHTHALENE	3/4/2014		Yes	N	U		U	180	3.0	ug/kg
DUP030-20140224	480-55212-11	FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.7	ug/kg
DUP030-20140224	480-55212-11	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	180	5.1	ug/kg
DUP030-20140224	480-55212-11	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	180	14	ug/kg
DUP030-20140224	480-55212-11	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	180	55	ug/kg
DUP030-20140224	480-55212-11	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	180	9.4	ug/kg
DUP030-20140224	480-55212-11	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	180	9.1	ug/kg
DUP030-20140224	480-55212-11	FLUORENE	3/4/2014		Yes	N	U		U	180	4.2	ug/kg
DUP030-20140224	480-55212-11	NITROBENZENE	3/4/2014		Yes	N	U		U	180	8.1	ug/kg
DUP030-20140224	480-55212-11	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	45	ug/kg
DUP030-20140224	480-55212-11	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U		U	180	7.5	ug/kg
DUP030-20140224	480-55212-11	2-NITROPHENOL	3/4/2014		Yes	N	U		U	180	8.4	ug/kg
DUP030-20140224	480-55212-11	2-NITROANILINE	3/4/2014		Yes	N	U		U	360	59	ug/kg
DUP030-20140224	480-55212-11	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	180	5.6	ug/kg
DUP030-20140224	480-55212-11	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
DUP030-20140224	480-55212-11	3-NITROANILINE	3/4/2014		Yes	N	U		U	360	42	ug/kg
DUP030-20140224	480-55212-11	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		U	180	12	ug/kg
DUP030-20140224	480-55212-11	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	58	ug/kg
DUP030-20140224	480-55212-11	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	28	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
DUP030-20140224	480-55212-11	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	360	64	ug/kg
DUP030-20140224	480-55212-11	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		U	180	49	ug/kg
DUP030-20140224	480-55212-11	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.6	ug/kg
DUP030-20140224	480-55212-11	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	12	ug/kg
DUP030-20140224	480-55212-11	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	40	ug/kg
DUP030-20140224	480-55212-11	2-CHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.3	ug/kg
DUP030-20140224	480-55212-11	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	180	1.5	ug/kg
DUP030-20140224	480-55212-11	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	3.6	ug/kg
DUP030-20140224	480-55212-11	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	180	4.4	ug/kg
DUP030-20140224	480-55212-11	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U		U	180	3.2	ug/kg
DUP030-20140224	480-55212-11	BENZALDEHYDE	3/4/2014		Yes	N	U		U	180	20	ug/kg
DUP030-20140224	480-55212-11	ATRAZINE	3/4/2014		Yes	N	U		U	180	8.1	ug/kg
DUP030-20140224	480-55212-11	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		U	180	160	ug/kg
DUP030-20140224	480-55212-11	ACETOPHENONE	3/4/2014		Yes	N	U		U	180	9.4	ug/kg
DUP030-20140224	480-55212-11	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
DUP030-20140224	480-55212-11	ACENAPHTHENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
DUP030-20140224	480-55212-11	4-NITROPHENOL	3/4/2014		Yes	N	U		U	360	44	ug/kg
DUP030-20140224	480-55212-11	4-NITROANILINE	3/4/2014		Yes	N	U		U	360	20	ug/kg
DUP030-20140224	480-55212-11	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U		U	360	10	ug/kg
DUP030-20140224	480-55212-11	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	3.9	ug/kg
DUP030-20140224	480-55212-11	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	180	54	ug/kg
DUP030-20140224	480-55212-11	ANTHRACENE	3/4/2014		Yes	N	U		U	180	4.7	ug/kg
FB029-20140224	480-55212-30	CHRYSENE	2/28/2014		Yes	N	U		U	4.9	0.32	ug/l
FB029-20140224	480-55212-30	BIS(2-CHLOROISOPROPYL) ETHER	2/28/2014		Yes	N	U		U	4.9	0.51	ug/l
FB029-20140224	480-55212-30	BENZO(B)FLUORANTHENE	2/28/2014		Yes	N	U		U	4.9	0.33	ug/l

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB029-20140224	480-55212-30	DI-N-BUTYL PHTHALATE	2/28/2014	0.38	Yes	Y	J		J	4.9	0.30	ug/l
FB029-20140224	480-55212-30	DIETHYL PHTHALATE	2/28/2014		Yes	N	U		U	4.9	0.22	ug/l
FB029-20140224	480-55212-30	DIBENZ(A,H)ANTHRACENE	2/28/2014		Yes	N	U		U	4.9	0.41	ug/l
FB029-20140224	480-55212-30	CARBAZOLE	2/28/2014		Yes	N	U		U	4.9	0.29	ug/l
FB029-20140224	480-55212-30	FLUORENE	2/28/2014		Yes	N	U		U	4.9	0.35	ug/l
FB029-20140224	480-55212-30	BIS(2-ETHYLHEXYL) PHTHALATE	2/28/2014		Yes	N	U		U	4.9	1.8	ug/l
FB029-20140224	480-55212-30	HEXACHLOROBENZENE	2/28/2014		Yes	N	U		U	4.9	0.50	ug/l
FB029-20140224	480-55212-30	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/28/2014		Yes	N	U		U	4.9	0.39	ug/l
FB029-20140224	480-55212-30	BIS(2-CHLOROETHOXY) METHANE	2/28/2014		Yes	N	U		U	4.9	0.34	ug/l
FB029-20140224	480-55212-30	BIPHENYL (DIPHENYL)	2/28/2014		Yes	N	U		U	4.9	0.64	ug/l
FB029-20140224	480-55212-30	BENZYL BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	4.9	0.41	ug/l
FB029-20140224	480-55212-30	BENZO(K)FLUORANTHENE	2/28/2014		Yes	N	U		U	4.9	0.71	ug/l
FB029-20140224	480-55212-30	BENZO(G,H,I)PERYLENE	2/28/2014		Yes	N	U		U	4.9	0.34	ug/l
FB029-20140224	480-55212-30	CAPROLACTAM	2/28/2014		Yes	N	U		U	4.9	2.2	ug/l
FB029-20140224	480-55212-30	NITROBENZENE	2/28/2014		Yes	N	U		U	4.9	0.28	ug/l
FB029-20140224	480-55212-30	DIBENZOFURAN	2/28/2014		Yes	N	U		U	9.8	0.50	ug/l
FB029-20140224	480-55212-30	PYRENE	2/28/2014		Yes	N	U		U	4.9	0.33	ug/l
FB029-20140224	480-55212-30	PHENOL	2/28/2014		Yes	N	U		U	4.9	0.38	ug/l
FB029-20140224	480-55212-30	PHENANTHRENE	2/28/2014		Yes	N	U		U	4.9	0.43	ug/l
FB029-20140224	480-55212-30	PENTACHLOROPHENOL	2/28/2014		Yes	N	U		U	9.8	2.2	ug/l
FB029-20140224	480-55212-30	FLUORANTHENE	2/28/2014		Yes	N	U		U	4.9	0.39	ug/l
FB029-20140224	480-55212-30	N-NITROSODI-N-PROPYLAMINE	2/28/2014		Yes	N	U		U	4.9	0.53	ug/l
FB029-20140224	480-55212-30	DIMETHYL PHTHALATE	2/28/2014		Yes	N	U		U	4.9	0.35	ug/l
FB029-20140224	480-55212-30	NAPHTHALENE	2/28/2014		Yes	N	U		U	4.9	0.74	ug/l

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB029-20140224	480-55212-30	ISOPHORONE	2/28/2014		Yes	N	U		U	4.9	0.42	ug/l
FB029-20140224	480-55212-30	INDENO(1,2,3-C,D)PYRENE	2/28/2014		Yes	N	U		U	4.9	0.46	ug/l
FB029-20140224	480-55212-30	HEXACHLOROETHANE	2/28/2014		Yes	N	U		U	4.9	0.58	ug/l
FB029-20140224	480-55212-30	HEXACHLOROCYCLOPENTADIENE	2/28/2014		Yes	N	U		U	4.9	0.58	ug/l
FB029-20140224	480-55212-30	HEXACHLOROBUTADIENE	2/28/2014		Yes	N	U		U	4.9	0.67	ug/l
FB029-20140224	480-55212-30	N-NITROSODIPHENYLAMINE	2/28/2014		Yes	N	U		U	4.9	0.50	ug/l
FB029-20140224	480-55212-30	2,6-DINITROTOLUENE	2/28/2014		Yes	N	U		U	4.9	0.39	ug/l
FB029-20140224	480-55212-30	3-NITROANILINE	2/28/2014		Yes	N	U		U	9.8	0.47	ug/l
FB029-20140224	480-55212-30	3,3'-DICHLOROBENZIDINE	2/28/2014		Yes	N	U		U	4.9	0.39	ug/l
FB029-20140224	480-55212-30	2-NITROPHENOL	2/28/2014		Yes	N	U		U	4.9	0.47	ug/l
FB029-20140224	480-55212-30	2-NITROANILINE	2/28/2014		Yes	N	U		U	9.8	0.41	ug/l
FB029-20140224	480-55212-30	2-METHYLPHENOL (O-CRESOL)	2/28/2014		Yes	N	U		U	4.9	0.39	ug/l
FB029-20140224	480-55212-30	2-METHYLNAPHTHALENE	2/28/2014		Yes	N	U		U	4.9	0.59	ug/l
FB029-20140224	480-55212-30	4,6-DINITRO-2-METHYLPHENOL	2/28/2014		Yes	N	U		U	9.8	2.2	ug/l
FB029-20140224	480-55212-30	2-CHLORONAPHTHALENE	2/28/2014		Yes	N	U		U	4.9	0.45	ug/l
FB029-20140224	480-55212-30	2,4-DIMETHYLPHENOL	2/28/2014		Yes	N	U		U	4.9	0.49	ug/l
FB029-20140224	480-55212-30	2,4-DINITROTOLUENE	2/28/2014		Yes	N	U		U	4.9	0.44	ug/l
FB029-20140224	480-55212-30	2,4-DINITROPHENOL	2/28/2014		Yes	N	U		U	9.8	2.2	ug/l
FB029-20140224	480-55212-30	BENZO(A)PYRENE	2/28/2014		Yes	N	U		U	4.9	0.46	ug/l
FB029-20140224	480-55212-30	2,4-DICHLOROPHENOL	2/28/2014		Yes	N	U		U	4.9	0.50	ug/l
FB029-20140224	480-55212-30	DI-N-OCTYLPHTHALATE	2/28/2014		Yes	N	U		U	4.9	0.46	ug/l
FB029-20140224	480-55212-30	2,4,5-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	4.9	0.47	ug/l
FB029-20140224	480-55212-30	2-CHLOROPHENOL	2/28/2014		Yes	N	U		U	4.9	0.52	ug/l
FB029-20140224	480-55212-30	ATRAZINE	2/28/2014		Yes	N	U		U	4.9	0.45	ug/l
FB029-20140224	480-55212-30	2,4,6-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	4.9	0.60	ug/l

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
FB029-20140224	480-55212-30	4-BROMOPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	4.9	0.44	ug/l
FB029-20140224	480-55212-30	BENZO(A)ANTHRACENE	2/28/2014		Yes	N	U		U	4.9	0.35	ug/l
FB029-20140224	480-55212-30	BENZALDEHYDE	2/28/2014		Yes	N	U		U	4.9	0.26	ug/l
FB029-20140224	480-55212-30	ANTHRACENE	2/28/2014		Yes	N	U		U	4.9	0.27	ug/l
FB029-20140224	480-55212-30	ACETOPHENONE	2/28/2014		Yes	N	U		U	4.9	0.53	ug/l
FB029-20140224	480-55212-30	ACENAPHTHYLENE	2/28/2014		Yes	N	U		U	4.9	0.37	ug/l
FB029-20140224	480-55212-30	ACENAPHTHENE	2/28/2014		Yes	N	U		U	4.9	0.40	ug/l
FB029-20140224	480-55212-30	4-NITROANILINE	2/28/2014		Yes	N	U		U	9.8	0.24	ug/l
FB029-20140224	480-55212-30	4-METHYLPHENOL (P-CRESOL)	2/28/2014		Yes	N	U		U	9.8	0.35	ug/l
FB029-20140224	480-55212-30	4-CHLOROPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	4.9	0.34	ug/l
FB029-20140224	480-55212-30	4-CHLOROANILINE	2/28/2014		Yes	N	U		U	4.9	0.58	ug/l
FB029-20140224	480-55212-30	4-NITROPHENOL	2/28/2014		Yes	N	U		U	9.8	1.5	ug/l
FB029-20140224	480-55212-30	4-CHLORO-3-METHYLPHENOL	2/28/2014		Yes	N	U		U	4.9	0.44	ug/l
LT-C-060-0-2-20140224	480-55212-1	4-NITROPHENOL	3/4/2014		Yes	N	U		U	370	46	ug/kg
LT-C-060-0-2-20140224	480-55212-1	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		U	370	66	ug/kg
LT-C-060-0-2-20140224	480-55212-1	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	190	61	ug/kg
LT-C-060-0-2-20140224	480-55212-1	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U		U	190	7.8	ug/kg
LT-C-060-0-2-20140224	480-55212-1	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	190	56	ug/kg
LT-C-060-0-2-20140224	480-55212-1	ATRAZINE	3/4/2014		Yes	N	U		U	190	8.5	ug/kg
LT-C-060-0-2-20140224	480-55212-1	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	190	4.1	ug/kg
LT-C-060-0-2-20140224	480-55212-1	ACETOPHENONE	3/4/2014		Yes	N	U		U	190	9.8	ug/kg
LT-C-060-0-2-20140224	480-55212-1	4-NITROANILINE	3/4/2014		Yes	N	U		U	370	21	ug/kg
LT-C-060-0-2-20140224	480-55212-1	ACENAPHTHENE	3/4/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-060-0-2-20140224	480-55212-1	PYRENE	3/4/2014	9.2	Yes	Y	J		J	190	1.2	ug/kg
LT-C-060-0-2-20140224	480-55212-1	3-NITROANILINE	3/4/2014		Yes	N	U		U	370	44	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-060-0-2-20140224	480-55212-1	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U		U	190	47	ug/kg
LT-C-060-0-2-20140224	480-55212-1	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U		U	370	11	ug/kg
LT-C-060-0-2-20140224	480-55212-1	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		U	190	170	ug/kg
LT-C-060-0-2-20140224	480-55212-1	2-NITROPHENOL	3/4/2014		Yes	N	U		U	190	8.7	ug/kg
LT-C-060-0-2-20140224	480-55212-1	2-NITROANILINE	3/4/2014		Yes	N	U		U	370	61	ug/kg
LT-C-060-0-2-20140224	480-55212-1	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	190	5.9	ug/kg
LT-C-060-0-2-20140224	480-55212-1	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		U	190	2.3	ug/kg
LT-C-060-0-2-20140224	480-55212-1	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		U	190	13	ug/kg
LT-C-060-0-2-20140224	480-55212-1	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		U	190	29	ug/kg
LT-C-060-0-2-20140224	480-55212-1	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	370	67	ug/kg
LT-C-060-0-2-20140224	480-55212-1	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		U	190	51	ug/kg
LT-C-060-0-2-20140224	480-55212-1	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U		U	190	10	ug/kg
LT-C-060-0-2-20140224	480-55212-1	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	190	13	ug/kg
LT-C-060-0-2-20140224	480-55212-1	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	190	42	ug/kg
LT-C-060-0-2-20140224	480-55212-1	ANTHRACENE	3/4/2014		Yes	N	U		U	190	4.9	ug/kg
LT-C-060-0-2-20140224	480-55212-1	BENZALDEHYDE	3/4/2014		Yes	N	U		U	190	21	ug/kg
LT-C-060-0-2-20140224	480-55212-1	2-CHLOROPHENOL	3/4/2014		Yes	N	U		U	190	9.7	ug/kg
LT-C-060-0-2-20140224	480-55212-1	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	190	9.5	ug/kg
LT-C-060-0-2-20140224	480-55212-1	PHENANTHRENE	3/4/2014		Yes	N	U		U	190	4.0	ug/kg
LT-C-060-0-2-20140224	480-55212-1	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		U	370	65	ug/kg
LT-C-060-0-2-20140224	480-55212-1	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U		U	190	10	ug/kg
LT-C-060-0-2-20140224	480-55212-1	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U		U	190	15	ug/kg
LT-C-060-0-2-20140224	480-55212-1	NAPHTHALENE	3/4/2014		Yes	N	U		U	190	3.2	ug/kg
LT-C-060-0-2-20140224	480-55212-1	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	190	5.3	ug/kg
LT-C-060-0-2-20140224	480-55212-1	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	190	15	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-060-0-2-20140224	480-55212-1	PHENOL	3/4/2014		Yes	N	U		U	190	20	ug/kg
LT-C-060-0-2-20140224	480-55212-1	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	190	9.7	ug/kg
LT-C-060-0-2-20140224	480-55212-1	NITROBENZENE	3/4/2014		Yes	N	U		U	190	8.4	ug/kg
LT-C-060-0-2-20140224	480-55212-1	FLUORENE	3/4/2014		Yes	N	U		U	190	4.4	ug/kg
LT-C-060-0-2-20140224	480-55212-1	FLUORANTHENE	3/4/2014		Yes	N	U		U	190	2.8	ug/kg
LT-C-060-0-2-20140224	480-55212-1	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U		U	190	4.5	ug/kg
LT-C-060-0-2-20140224	480-55212-1	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	190	66	ug/kg
LT-C-060-0-2-20140224	480-55212-1	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	190	5.0	ug/kg
LT-C-060-0-2-20140224	480-55212-1	BENZO(A)ANTHRACENE	3/4/2014	11	Yes	Y	J		J	190	3.3	ug/kg
LT-C-060-0-2-20140224	480-55212-1	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	190	1.6	ug/kg
LT-C-060-0-2-20140224	480-55212-1	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U	UJ	UJ	190	58	ug/kg
LT-C-060-0-2-20140224	480-55212-1	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	190	12	ug/kg
LT-C-060-0-2-20140224	480-55212-1	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	190	4.6	ug/kg
LT-C-060-0-2-20140224	480-55212-1	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	190	3.7	ug/kg
LT-C-060-0-2-20140224	480-55212-1	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	190	2.3	ug/kg
LT-C-060-0-2-20140224	480-55212-1	ISOPHORONE	3/4/2014		Yes	N	U		U	190	9.5	ug/kg
LT-C-060-0-2-20140224	480-55212-1	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	190	51	ug/kg
LT-C-060-0-2-20140224	480-55212-1	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	190	10	ug/kg
LT-C-060-0-2-20140224	480-55212-1	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	190	16	ug/kg
LT-C-060-0-2-20140224	480-55212-1	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		U	190	20	ug/kg
LT-C-060-0-2-20140224	480-55212-1	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U		U	190	61	ug/kg
LT-C-060-0-2-20140224	480-55212-1	CAPROLACTAM	3/4/2014		Yes	N	U		U	190	82	ug/kg
LT-C-060-0-2-20140224	480-55212-1	CARBAZOLE	3/4/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-060-0-2-20140224	480-55212-1	CHRYSENE	3/4/2014	11	Yes	Y	J		J	190	1.9	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-060-0-2-20140224	480-55212-1	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	190	2.1	ug/kg
LT-C-060-0-2-20140224	480-55212-1	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-060-0-2-20140224	480-55212-1	DIBENZOFURAN	3/4/2014		Yes	N	U		U	190	2.0	ug/kg
LT-C-060-0-2-20140224	480-55212-1	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	190	5.8	ug/kg
LT-C-060-4-6-20140224	480-55212-2	2-NITROPHENOL	3/4/2014		Yes	N	U		U	180	8.0	ug/kg
LT-C-060-4-6-20140224	480-55212-2	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		U	180	12	ug/kg
LT-C-060-4-6-20140224	480-55212-2	PHENOL	3/4/2014		Yes	N	U		U	180	18	ug/kg
LT-C-060-4-6-20140224	480-55212-2	2-CHLOROPHENOL	3/4/2014		Yes	N	U		U	180	8.9	ug/kg
LT-C-060-4-6-20140224	480-55212-2	PHENANTHRENE	3/4/2014		Yes	N	U		U	180	3.7	ug/kg
LT-C-060-4-6-20140224	480-55212-2	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-C-060-4-6-20140224	480-55212-2	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	43	ug/kg
LT-C-060-4-6-20140224	480-55212-2	2-NITROANILINE	3/4/2014		Yes	N	U		U	340	56	ug/kg
LT-C-060-4-6-20140224	480-55212-2	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.2	ug/kg
LT-C-060-4-6-20140224	480-55212-2	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		U	180	150	ug/kg
LT-C-060-4-6-20140224	480-55212-2	3-NITROANILINE	3/4/2014		Yes	N	U		U	340	40	ug/kg
LT-C-060-4-6-20140224	480-55212-2	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	180	5.4	ug/kg
LT-C-060-4-6-20140224	480-55212-2	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	27	ug/kg
LT-C-060-4-6-20140224	480-55212-2	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		U	180	47	ug/kg
LT-C-060-4-6-20140224	480-55212-2	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		U	340	61	ug/kg
LT-C-060-4-6-20140224	480-55212-2	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	12	ug/kg
LT-C-060-4-6-20140224	480-55212-2	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	38	ug/kg
LT-C-060-4-6-20140224	480-55212-2	PYRENE	3/4/2014		Yes	N	U		U	180	1.1	ug/kg
LT-C-060-4-6-20140224	480-55212-2	NITROBENZENE	3/4/2014		Yes	N	U		U	180	7.8	ug/kg
LT-C-060-4-6-20140224	480-55212-2	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U		U	180	9.6	ug/kg
LT-C-060-4-6-20140224	480-55212-2	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		U	340	60	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-060-4-6-20140224	480-55212-2	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U		U	180	14	ug/kg
LT-C-060-4-6-20140224	480-55212-2	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	180	1.4	ug/kg
LT-C-060-4-6-20140224	480-55212-2	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	340	61	ug/kg
LT-C-060-4-6-20140224	480-55212-2	FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.5	ug/kg
LT-C-060-4-6-20140224	480-55212-2	CAPROLACTAM	3/4/2014		Yes	N	U		U	180	76	ug/kg
LT-C-060-4-6-20140224	480-55212-2	CARBAZOLE	3/4/2014		Yes	N	U		U	180	2.0	ug/kg
LT-C-060-4-6-20140224	480-55212-2	CHRYSENE	3/4/2014		Yes	N	U		U	180	1.8	ug/kg
LT-C-060-4-6-20140224	480-55212-2	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-C-060-4-6-20140224	480-55212-2	DIBENZOFURAN	3/4/2014		Yes	N	U		U	180	1.8	ug/kg
LT-C-060-4-6-20140224	480-55212-2	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	5.3	ug/kg
LT-C-060-4-6-20140224	480-55212-2	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	4.6	ug/kg
LT-C-060-4-6-20140224	480-55212-2	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		U	180	18	ug/kg
LT-C-060-4-6-20140224	480-55212-2	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U		U	180	4.1	ug/kg
LT-C-060-4-6-20140224	480-55212-2	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	180	15	ug/kg
LT-C-060-4-6-20140224	480-55212-2	FLUORENE	3/4/2014		Yes	N	U		U	180	4.0	ug/kg
LT-C-060-4-6-20140224	480-55212-2	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	180	8.7	ug/kg
LT-C-060-4-6-20140224	480-55212-2	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	180	9.0	ug/kg
LT-C-060-4-6-20140224	480-55212-2	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	180	53	ug/kg
LT-C-060-4-6-20140224	480-55212-2	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	180	14	ug/kg
LT-C-060-4-6-20140224	480-55212-2	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	180	4.9	ug/kg
LT-C-060-4-6-20140224	480-55212-2	ISOPHORONE	3/4/2014		Yes	N	U		U	180	8.8	ug/kg
LT-C-060-4-6-20140224	480-55212-2	NAPHTHALENE	3/4/2014		Yes	N	U		U	180	2.9	ug/kg
LT-C-060-4-6-20140224	480-55212-2	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	61	ug/kg
LT-C-060-4-6-20140224	480-55212-2	BENZALDEHYDE	3/4/2014		Yes	N	U		U	180	19	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-060-4-6-20140224	480-55212-2	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U		U	180	7.2	ug/kg
LT-C-060-4-6-20140224	480-55212-2	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	180	52	ug/kg
LT-C-060-4-6-20140224	480-55212-2	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	3.7	ug/kg
LT-C-060-4-6-20140224	480-55212-2	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U		U	340	9.8	ug/kg
LT-C-060-4-6-20140224	480-55212-2	4-NITROANILINE	3/4/2014		Yes	N	U		U	340	20	ug/kg
LT-C-060-4-6-20140224	480-55212-2	4-NITROPHENOL	3/4/2014		Yes	N	U		U	340	43	ug/kg
LT-C-060-4-6-20140224	480-55212-2	ACENAPHTHENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-C-060-4-6-20140224	480-55212-2	ACETOPHENONE	3/4/2014		Yes	N	U		U	180	9.0	ug/kg
LT-C-060-4-6-20140224	480-55212-2	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U		U	180	57	ug/kg
LT-C-060-4-6-20140224	480-55212-2	ATRAZINE	3/4/2014		Yes	N	U		U	180	7.8	ug/kg
LT-C-060-4-6-20140224	480-55212-2	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	56	ug/kg
LT-C-060-4-6-20140224	480-55212-2	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U		U	180	3.0	ug/kg
LT-C-060-4-6-20140224	480-55212-2	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	180	4.2	ug/kg
LT-C-060-4-6-20140224	480-55212-2	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	3.4	ug/kg
LT-C-060-4-6-20140224	480-55212-2	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-C-060-4-6-20140224	480-55212-2	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	1.9	ug/kg
LT-C-060-4-6-20140224	480-55212-2	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	47	ug/kg
LT-C-060-4-6-20140224	480-55212-2	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	180	11	ug/kg
LT-C-060-4-6-20140224	480-55212-2	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	180	9.6	ug/kg
LT-C-060-4-6-20140224	480-55212-2	ANTHRACENE	3/4/2014		Yes	N	U		U	180	4.5	ug/kg
LT-C-060-8-10-20140224	480-55212-3	4-NITROANILINE	3/4/2014		Yes	N	U		U	360	21	ug/kg
LT-C-060-8-10-20140224	480-55212-3	CHRYSENE	3/4/2014		Yes	N	U		U	190	1.8	ug/kg
LT-C-060-8-10-20140224	480-55212-3	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	190	2.0	ug/kg
LT-C-060-8-10-20140224	480-55212-3	PYRENE	3/4/2014		Yes	N	U		U	190	1.2	ug/kg
LT-C-060-8-10-20140224	480-55212-3	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	190	64	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-060-8-10-20140224	480-55212-3	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	190	4.8	ug/kg
LT-C-060-8-10-20140224	480-55212-3	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	190	5.6	ug/kg
LT-C-060-8-10-20140224	480-55212-3	PHENANTHRENE	3/4/2014		Yes	N	U		U	190	3.9	ug/kg
LT-C-060-8-10-20140224	480-55212-3	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-060-8-10-20140224	480-55212-3	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		U	360	63	ug/kg
LT-C-060-8-10-20140224	480-55212-3	CARBAZOLE	3/4/2014		Yes	N	U		U	190	2.1	ug/kg
LT-C-060-8-10-20140224	480-55212-3	CAPROLACTAM	3/4/2014		Yes	N	U		U	190	80	ug/kg
LT-C-060-8-10-20140224	480-55212-3	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U		U	190	60	ug/kg
LT-C-060-8-10-20140224	480-55212-3	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		U	190	19	ug/kg
LT-C-060-8-10-20140224	480-55212-3	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	190	16	ug/kg
LT-C-060-8-10-20140224	480-55212-3	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	190	12	ug/kg
LT-C-060-8-10-20140224	480-55212-3	DIBENZOFURAN	3/4/2014		Yes	N	U		U	190	1.9	ug/kg
LT-C-060-8-10-20140224	480-55212-3	FLUORANTHENE	3/4/2014		Yes	N	U		U	190	2.7	ug/kg
LT-C-060-8-10-20140224	480-55212-3	ACENAPHTHENE	3/4/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-060-8-10-20140224	480-55212-3	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	190	5.1	ug/kg
LT-C-060-8-10-20140224	480-55212-3	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	190	14	ug/kg
LT-C-060-8-10-20140224	480-55212-3	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	190	56	ug/kg
LT-C-060-8-10-20140224	480-55212-3	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	190	9.5	ug/kg
LT-C-060-8-10-20140224	480-55212-3	PHENOL	3/4/2014		Yes	N	U		U	190	19	ug/kg
LT-C-060-8-10-20140224	480-55212-3	FLUORENE	3/4/2014		Yes	N	U		U	190	4.3	ug/kg
LT-C-060-8-10-20140224	480-55212-3	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	190	50	ug/kg
LT-C-060-8-10-20140224	480-55212-3	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U		U	190	4.3	ug/kg
LT-C-060-8-10-20140224	480-55212-3	ISOPHORONE	3/4/2014		Yes	N	U		U	190	9.2	ug/kg
LT-C-060-8-10-20140224	480-55212-3	NAPHTHALENE	3/4/2014		Yes	N	U		U	190	3.1	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-060-8-10-20140224	480-55212-3	NITROBENZENE	3/4/2014		Yes	N	U		U	190	8.2	ug/kg
LT-C-060-8-10-20140224	480-55212-3	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U		U	190	15	ug/kg
LT-C-060-8-10-20140224	480-55212-3	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U		U	190	10	ug/kg
LT-C-060-8-10-20140224	480-55212-3	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	190	9.2	ug/kg
LT-C-060-8-10-20140224	480-55212-3	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U		U	190	45	ug/kg
LT-C-060-8-10-20140224	480-55212-3	3-NITROANILINE	3/4/2014		Yes	N	U		U	360	43	ug/kg
LT-C-060-8-10-20140224	480-55212-3	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	190	10	ug/kg
LT-C-060-8-10-20140224	480-55212-3	2-NITROPHENOL	3/4/2014		Yes	N	U		U	190	8.5	ug/kg
LT-C-060-8-10-20140224	480-55212-3	2-NITROANILINE	3/4/2014		Yes	N	U		U	360	59	ug/kg
LT-C-060-8-10-20140224	480-55212-3	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	190	5.7	ug/kg
LT-C-060-8-10-20140224	480-55212-3	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-060-8-10-20140224	480-55212-3	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	190	2.2	ug/kg
LT-C-060-8-10-20140224	480-55212-3	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		U	190	12	ug/kg
LT-C-060-8-10-20140224	480-55212-3	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		U	360	64	ug/kg
LT-C-060-8-10-20140224	480-55212-3	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		U	190	29	ug/kg
LT-C-060-8-10-20140224	480-55212-3	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	360	65	ug/kg
LT-C-060-8-10-20140224	480-55212-3	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		U	190	50	ug/kg
LT-C-060-8-10-20140224	480-55212-3	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U		U	190	9.7	ug/kg
LT-C-060-8-10-20140224	480-55212-3	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	190	12	ug/kg
LT-C-060-8-10-20140224	480-55212-3	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	190	40	ug/kg
LT-C-060-8-10-20140224	480-55212-3	2-CHLOROPHENOL	3/4/2014		Yes	N	U		U	190	9.4	ug/kg
LT-C-060-8-10-20140224	480-55212-3	ATRAZINE	3/4/2014		Yes	N	U		U	190	8.2	ug/kg
LT-C-060-8-10-20140224	480-55212-3	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	190	3.6	ug/kg
LT-C-060-8-10-20140224	480-55212-3	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	190	4.5	ug/kg
LT-C-060-8-10-20140224	480-55212-3	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		U	190	160	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-C-060-8-10-20140224	480-55212-3	BENZALDEHYDE	3/4/2014		Yes	N	U		U	190	20	ug/kg
LT-C-060-8-10-20140224	480-55212-3	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	190	59	ug/kg
LT-C-060-8-10-20140224	480-55212-3	ANTHRACENE	3/4/2014		Yes	N	U		U	190	4.7	ug/kg
LT-C-060-8-10-20140224	480-55212-3	ACETOPHENONE	3/4/2014		Yes	N	U		U	190	9.5	ug/kg
LT-C-060-8-10-20140224	480-55212-3	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	190	1.5	ug/kg
LT-C-060-8-10-20140224	480-55212-3	4-NITROPHENOL	3/4/2014		Yes	N	U		U	360	45	ug/kg
LT-C-060-8-10-20140224	480-55212-3	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U		U	360	10	ug/kg
LT-C-060-8-10-20140224	480-55212-3	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	190	3.9	ug/kg
LT-C-060-8-10-20140224	480-55212-3	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	190	54	ug/kg
LT-C-060-8-10-20140224	480-55212-3	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U		U	190	7.6	ug/kg
LT-C-060-8-10-20140224	480-55212-3	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U		U	190	3.2	ug/kg
LT-G-028-0-2-20140224	480-55212-4	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		U	380	66	ug/kg
LT-G-028-0-2-20140224	480-55212-4	PYRENE	3/4/2014		Yes	N	U		U	190	1.2	ug/kg
LT-G-028-0-2-20140224	480-55212-4	PHENOL	3/4/2014		Yes	N	U		U	190	20	ug/kg
LT-G-028-0-2-20140224	480-55212-4	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	190	5.3	ug/kg
LT-G-028-0-2-20140224	480-55212-4	PHENANTHRENE	3/4/2014		Yes	N	U		U	190	4.1	ug/kg
LT-G-028-0-2-20140224	480-55212-4	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	190	2.3	ug/kg
LT-G-028-0-2-20140224	480-55212-4	NAPHTHALENE	3/4/2014		Yes	N	U		U	190	3.2	ug/kg
LT-G-028-0-2-20140224	480-55212-4	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	190	4.1	ug/kg
LT-G-028-0-2-20140224	480-55212-4	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U		U	380	11	ug/kg
LT-G-028-0-2-20140224	480-55212-4	4-NITROANILINE	3/4/2014		Yes	N	U		U	380	22	ug/kg
LT-G-028-0-2-20140224	480-55212-4	4-NITROPHENOL	3/4/2014		Yes	N	U		U	380	47	ug/kg
LT-G-028-0-2-20140224	480-55212-4	ACENAPHTHENE	3/4/2014		Yes	N	U		U	190	2.3	ug/kg
LT-G-028-0-2-20140224	480-55212-4	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	190	1.6	ug/kg
LT-G-028-0-2-20140224	480-55212-4	ACETOPHENONE	3/4/2014		Yes	N	U		U	190	9.9	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-028-0-2-20140224	480-55212-4	ANTHRACENE	3/4/2014		Yes	N	U		U	190	4.9	ug/kg
LT-G-028-0-2-20140224	480-55212-4	ATRAZINE	3/4/2014		Yes	N	U		U	190	8.6	ug/kg
LT-G-028-0-2-20140224	480-55212-4	BENZALDEHYDE	3/4/2014		Yes	N	U		U	190	21	ug/kg
LT-G-028-0-2-20140224	480-55212-4	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U		U	190	3.3	ug/kg
LT-G-028-0-2-20140224	480-55212-4	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U		U	190	7.9	ug/kg
LT-G-028-0-2-20140224	480-55212-4	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	190	3.7	ug/kg
LT-G-028-0-2-20140224	480-55212-4	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	190	61	ug/kg
LT-G-028-0-2-20140224	480-55212-4	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	190	2.1	ug/kg
LT-G-028-0-2-20140224	480-55212-4	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	190	52	ug/kg
LT-G-028-0-2-20140224	480-55212-4	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	190	12	ug/kg
LT-G-028-0-2-20140224	480-55212-4	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	190	11	ug/kg
LT-G-028-0-2-20140224	480-55212-4	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	190	17	ug/kg
LT-G-028-0-2-20140224	480-55212-4	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		U	190	20	ug/kg
LT-G-028-0-2-20140224	480-55212-4	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U		U	190	62	ug/kg
LT-G-028-0-2-20140224	480-55212-4	CAPROLACTAM	3/4/2014		Yes	N	U		U	190	84	ug/kg
LT-G-028-0-2-20140224	480-55212-4	CARBAZOLE	3/4/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-028-0-2-20140224	480-55212-4	CHRYSENE	3/4/2014		Yes	N	U		U	190	1.9	ug/kg
LT-G-028-0-2-20140224	480-55212-4	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	190	2.3	ug/kg
LT-G-028-0-2-20140224	480-55212-4	DIBENZOFURAN	3/4/2014		Yes	N	U		U	190	2.0	ug/kg
LT-G-028-0-2-20140224	480-55212-4	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	190	5.8	ug/kg
LT-G-028-0-2-20140224	480-55212-4	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	190	4.7	ug/kg
LT-G-028-0-2-20140224	480-55212-4	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U		U	190	10	ug/kg
LT-G-028-0-2-20140224	480-55212-4	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U		U	190	15	ug/kg
LT-G-028-0-2-20140224	480-55212-4	NITROBENZENE	3/4/2014		Yes	N	U		U	190	8.6	ug/kg

SDG: 480552121

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-028-0-2-20140224	480-55212-4	ISOPHORONE	3/4/2014		Yes	N	U		U	190	9.6	ug/kg
LT-G-028-0-2-20140224	480-55212-4	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	190	5.0	ug/kg
LT-G-028-0-2-20140224	480-55212-4	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	190	15	ug/kg
LT-G-028-0-2-20140224	480-55212-4	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	190	58	ug/kg
LT-G-028-0-2-20140224	480-55212-4	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	190	9.9	ug/kg
LT-G-028-0-2-20140224	480-55212-4	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	190	9.6	ug/kg
LT-G-028-0-2-20140224	480-55212-4	FLUORENE	3/4/2014		Yes	N	U		U	190	4.4	ug/kg
LT-G-028-0-2-20140224	480-55212-4	FLUORANTHENE	3/4/2014		Yes	N	U		U	190	2.8	ug/kg
LT-G-028-0-2-20140224	480-55212-4	DI-N-OCTYLPHthalate	3/4/2014		Yes	N	U		U	190	4.5	ug/kg
LT-G-028-0-2-20140224	480-55212-4	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	190	67	ug/kg
LT-G-028-0-2-20140224	480-55212-4	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	190	57	ug/kg
LT-G-028-0-2-20140224	480-55212-4	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	190	13	ug/kg
LT-G-028-0-2-20140224	480-55212-4	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		U	190	2.3	ug/kg
LT-G-028-0-2-20140224	480-55212-4	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		U	380	67	ug/kg
LT-G-028-0-2-20140224	480-55212-4	3-NITROANILINE	3/4/2014		Yes	N	U		U	380	44	ug/kg
LT-G-028-0-2-20140224	480-55212-4	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		U	190	170	ug/kg
LT-G-028-0-2-20140224	480-55212-4	2-NITROPHENOL	3/4/2014		Yes	N	U		U	190	8.8	ug/kg
LT-G-028-0-2-20140224	480-55212-4	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	190	42	ug/kg
LT-G-028-0-2-20140224	480-55212-4	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	190	5.9	ug/kg
LT-G-028-0-2-20140224	480-55212-4	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U		U	190	11	ug/kg
LT-G-028-0-2-20140224	480-55212-4	2-CHLOROPHENOL	3/4/2014		Yes	N	U		U	190	9.8	ug/kg
LT-G-028-0-2-20140224	480-55212-4	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		U	190	13	ug/kg
LT-G-028-0-2-20140224	480-55212-4	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U		U	190	47	ug/kg
LT-G-028-0-2-20140224	480-55212-4	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		U	190	30	ug/kg
LT-G-028-0-2-20140224	480-55212-4	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	380	68	ug/kg

SDG: 480552121

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-028-0-2-20140224	480-55212-4	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		U	190	52	ug/kg
LT-G-028-0-2-20140224	480-55212-4	2-NITROANILINE	3/4/2014		Yes	N	U		U	380	62	ug/kg
LT-G-028-4-6-20140224	480-55212-5	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U		U	180	3.1	ug/kg
LT-G-028-4-6-20140224	480-55212-5	CAPROLACTAM	3/4/2014		Yes	N	U		U	180	79	ug/kg
LT-G-028-4-6-20140224	480-55212-5	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.0	ug/kg
LT-G-028-4-6-20140224	480-55212-5	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	4.8	ug/kg
LT-G-028-4-6-20140224	480-55212-5	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	5.5	ug/kg
LT-G-028-4-6-20140224	480-55212-5	DIBENZOFURAN	3/4/2014		Yes	N	U		U	180	1.9	ug/kg
LT-G-028-4-6-20140224	480-55212-5	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-028-4-6-20140224	480-55212-5	DI-N-OCTYLPHthalate	3/4/2014		Yes	N	U		U	180	4.3	ug/kg
LT-G-028-4-6-20140224	480-55212-5	CARBAZOLE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-028-4-6-20140224	480-55212-5	FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.6	ug/kg
LT-G-028-4-6-20140224	480-55212-5	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014	92	Yes	Y	J		J	180	59	ug/kg
LT-G-028-4-6-20140224	480-55212-5	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		U	180	19	ug/kg
LT-G-028-4-6-20140224	480-55212-5	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	180	16	ug/kg
LT-G-028-4-6-20140224	480-55212-5	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	180	9.9	ug/kg
LT-G-028-4-6-20140224	480-55212-5	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	180	11	ug/kg
LT-G-028-4-6-20140224	480-55212-5	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	3.5	ug/kg
LT-G-028-4-6-20140224	480-55212-5	CHRYSENE	3/4/2014		Yes	N	U		U	180	1.8	ug/kg
LT-G-028-4-6-20140224	480-55212-5	ISOPHORONE	3/4/2014		Yes	N	U		U	180	9.1	ug/kg
LT-G-028-4-6-20140224	480-55212-5	PHENOL	3/4/2014		Yes	N	U		U	180	19	ug/kg
LT-G-028-4-6-20140224	480-55212-5	PHENANTHRENE	3/4/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-028-4-6-20140224	480-55212-5	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		U	360	62	ug/kg
LT-G-028-4-6-20140224	480-55212-5	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U		U	180	10	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-028-4-6-20140224	480-55212-5	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U		U	180	14	ug/kg
LT-G-028-4-6-20140224	480-55212-5	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	63	ug/kg
LT-G-028-4-6-20140224	480-55212-5	NAPHTHALENE	3/4/2014		Yes	N	U		U	180	3.0	ug/kg
LT-G-028-4-6-20140224	480-55212-5	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-028-4-6-20140224	480-55212-5	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	180	5.0	ug/kg
LT-G-028-4-6-20140224	480-55212-5	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	180	14	ug/kg
LT-G-028-4-6-20140224	480-55212-5	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	180	55	ug/kg
LT-G-028-4-6-20140224	480-55212-5	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	180	9.3	ug/kg
LT-G-028-4-6-20140224	480-55212-5	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	180	9.0	ug/kg
LT-G-028-4-6-20140224	480-55212-5	FLUORENE	3/4/2014		Yes	N	U		U	180	4.2	ug/kg
LT-G-028-4-6-20140224	480-55212-5	NITROBENZENE	3/4/2014		Yes	N	U		U	180	8.1	ug/kg
LT-G-028-4-6-20140224	480-55212-5	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	45	ug/kg
LT-G-028-4-6-20140224	480-55212-5	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	49	ug/kg
LT-G-028-4-6-20140224	480-55212-5	2-NITROPHENOL	3/4/2014		Yes	N	U		U	180	8.3	ug/kg
LT-G-028-4-6-20140224	480-55212-5	2-NITROANILINE	3/4/2014		Yes	N	U		U	360	58	ug/kg
LT-G-028-4-6-20140224	480-55212-5	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	180	5.6	ug/kg
LT-G-028-4-6-20140224	480-55212-5	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-028-4-6-20140224	480-55212-5	3-NITROANILINE	3/4/2014		Yes	N	U		U	360	42	ug/kg
LT-G-028-4-6-20140224	480-55212-5	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		U	180	12	ug/kg
LT-G-028-4-6-20140224	480-55212-5	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		U	360	63	ug/kg
LT-G-028-4-6-20140224	480-55212-5	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	28	ug/kg
LT-G-028-4-6-20140224	480-55212-5	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	360	64	ug/kg
LT-G-028-4-6-20140224	480-55212-5	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		U	180	49	ug/kg
LT-G-028-4-6-20140224	480-55212-5	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.6	ug/kg
LT-G-028-4-6-20140224	480-55212-5	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	12	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-028-4-6-20140224	480-55212-5	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	40	ug/kg
LT-G-028-4-6-20140224	480-55212-5	2-CHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.3	ug/kg
LT-G-028-4-6-20140224	480-55212-5	4-NITROPHENOL	3/4/2014		Yes	N	U		U	360	44	ug/kg
LT-G-028-4-6-20140224	480-55212-5	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	180	4.4	ug/kg
LT-G-028-4-6-20140224	480-55212-5	BENZALDEHYDE	3/4/2014		Yes	N	U		U	180	20	ug/kg
LT-G-028-4-6-20140224	480-55212-5	ATRAZINE	3/4/2014		Yes	N	U		U	180	8.1	ug/kg
LT-G-028-4-6-20140224	480-55212-5	ANTHRACENE	3/4/2014		Yes	N	U		U	180	4.7	ug/kg
LT-G-028-4-6-20140224	480-55212-5	ACETOPHENONE	3/4/2014		Yes	N	U		U	180	9.3	ug/kg
LT-G-028-4-6-20140224	480-55212-5	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		U	180	160	ug/kg
LT-G-028-4-6-20140224	480-55212-5	ACENAPHTHENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-028-4-6-20140224	480-55212-5	PYRENE	3/4/2014		Yes	N	U		U	180	1.2	ug/kg
LT-G-028-4-6-20140224	480-55212-5	4-NITROANILINE	3/4/2014		Yes	N	U		U	360	20	ug/kg
LT-G-028-4-6-20140224	480-55212-5	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U		U	360	10	ug/kg
LT-G-028-4-6-20140224	480-55212-5	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	3.9	ug/kg
LT-G-028-4-6-20140224	480-55212-5	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	180	53	ug/kg
LT-G-028-4-6-20140224	480-55212-5	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U		U	180	7.5	ug/kg
LT-G-028-4-6-20140224	480-55212-5	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	58	ug/kg
LT-G-028-4-6-20140224	480-55212-5	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	180	1.5	ug/kg
LT-G-028-8-10-20140224	480-55212-6	CAPROLACTAM	3/4/2014		Yes	N	U		U	190	80	ug/kg
LT-G-028-8-10-20140224	480-55212-6	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	190	41	ug/kg
LT-G-028-8-10-20140224	480-55212-6	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	190	4.8	ug/kg
LT-G-028-8-10-20140224	480-55212-6	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	190	5.6	ug/kg
LT-G-028-8-10-20140224	480-55212-6	DIBENZOFURAN	3/4/2014		Yes	N	U		U	190	1.9	ug/kg
LT-G-028-8-10-20140224	480-55212-6	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-028-8-10-20140224	480-55212-6	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U		U	190	4.3	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-028-8-10-20140224	480-55212-6	CARBAZOLE	3/4/2014		Yes	N	U		U	190	2.1	ug/kg
LT-G-028-8-10-20140224	480-55212-6	FLUORANTHENE	3/4/2014		Yes	N	U		U	190	2.7	ug/kg
LT-G-028-8-10-20140224	480-55212-6	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U		U	190	60	ug/kg
LT-G-028-8-10-20140224	480-55212-6	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		U	190	19	ug/kg
LT-G-028-8-10-20140224	480-55212-6	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	190	16	ug/kg
LT-G-028-8-10-20140224	480-55212-6	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	190	10	ug/kg
LT-G-028-8-10-20140224	480-55212-6	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	190	12	ug/kg
LT-G-028-8-10-20140224	480-55212-6	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	190	50	ug/kg
LT-G-028-8-10-20140224	480-55212-6	CHRYSENE	3/4/2014		Yes	N	U		U	190	1.9	ug/kg
LT-G-028-8-10-20140224	480-55212-6	ISOPHORONE	3/4/2014		Yes	N	U		U	190	9.3	ug/kg
LT-G-028-8-10-20140224	480-55212-6	PHENOL	3/4/2014		Yes	N	U		U	190	20	ug/kg
LT-G-028-8-10-20140224	480-55212-6	PHENANTHRENE	3/4/2014		Yes	N	U		U	190	3.9	ug/kg
LT-G-028-8-10-20140224	480-55212-6	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		U	360	64	ug/kg
LT-G-028-8-10-20140224	480-55212-6	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U		U	190	10	ug/kg
LT-G-028-8-10-20140224	480-55212-6	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U		U	190	15	ug/kg
LT-G-028-8-10-20140224	480-55212-6	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	190	64	ug/kg
LT-G-028-8-10-20140224	480-55212-6	NAPHTHALENE	3/4/2014		Yes	N	U		U	190	3.1	ug/kg
LT-G-028-8-10-20140224	480-55212-6	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	190	3.6	ug/kg
LT-G-028-8-10-20140224	480-55212-6	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	190	5.1	ug/kg
LT-G-028-8-10-20140224	480-55212-6	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	190	14	ug/kg
LT-G-028-8-10-20140224	480-55212-6	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	190	56	ug/kg
LT-G-028-8-10-20140224	480-55212-6	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	190	9.5	ug/kg
LT-G-028-8-10-20140224	480-55212-6	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	190	9.2	ug/kg
LT-G-028-8-10-20140224	480-55212-6	FLUORENE	3/4/2014		Yes	N	U		U	190	4.3	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-028-8-10-20140224	480-55212-6	NITROBENZENE	3/4/2014		Yes	N	U		U	190	8.2	ug/kg
LT-G-028-8-10-20140224	480-55212-6	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		U	190	12	ug/kg
LT-G-028-8-10-20140224	480-55212-6	3-NITROANILINE	3/4/2014		Yes	N	U		U	360	43	ug/kg
LT-G-028-8-10-20140224	480-55212-6	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		U	190	160	ug/kg
LT-G-028-8-10-20140224	480-55212-6	2-NITROPHENOL	3/4/2014		Yes	N	U		U	190	8.5	ug/kg
LT-G-028-8-10-20140224	480-55212-6	2-NITROANILINE	3/4/2014		Yes	N	U		U	360	60	ug/kg
LT-G-028-8-10-20140224	480-55212-6	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	190	5.7	ug/kg
LT-G-028-8-10-20140224	480-55212-6	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	190	2.0	ug/kg
LT-G-028-8-10-20140224	480-55212-6	2-CHLOROPHENOL	3/4/2014		Yes	N	U		U	190	9.5	ug/kg
LT-G-028-8-10-20140224	480-55212-6	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U		U	190	7.6	ug/kg
LT-G-028-8-10-20140224	480-55212-6	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U		U	190	45	ug/kg
LT-G-028-8-10-20140224	480-55212-6	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		U	190	29	ug/kg
LT-G-028-8-10-20140224	480-55212-6	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	360	65	ug/kg
LT-G-028-8-10-20140224	480-55212-6	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		U	190	50	ug/kg
LT-G-028-8-10-20140224	480-55212-6	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U		U	190	9.7	ug/kg
LT-G-028-8-10-20140224	480-55212-6	PYRENE	3/4/2014		Yes	N	U		U	190	1.2	ug/kg
LT-G-028-8-10-20140224	480-55212-6	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-028-8-10-20140224	480-55212-6	ACENAPHTHENE	3/4/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-028-8-10-20140224	480-55212-6	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	190	12	ug/kg
LT-G-028-8-10-20140224	480-55212-6	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	190	4.5	ug/kg
LT-G-028-8-10-20140224	480-55212-6	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U		U	190	3.2	ug/kg
LT-G-028-8-10-20140224	480-55212-6	BENZALDEHYDE	3/4/2014		Yes	N	U		U	190	20	ug/kg
LT-G-028-8-10-20140224	480-55212-6	ATRAZINE	3/4/2014		Yes	N	U		U	190	8.3	ug/kg
LT-G-028-8-10-20140224	480-55212-6	ANTHRACENE	3/4/2014		Yes	N	U		U	190	4.8	ug/kg
LT-G-028-8-10-20140224	480-55212-6	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		U	360	64	ug/kg

SDG: 480552121

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-028-8-10-20140224	480-55212-6	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	190	1.5	ug/kg
LT-G-028-8-10-20140224	480-55212-6	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	190	59	ug/kg
LT-G-028-8-10-20140224	480-55212-6	4-NITROPHENOL	3/4/2014		Yes	N	U		U	360	45	ug/kg
LT-G-028-8-10-20140224	480-55212-6	4-NITROANILINE	3/4/2014		Yes	N	U		U	360	21	ug/kg
LT-G-028-8-10-20140224	480-55212-6	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U		U	360	10	ug/kg
LT-G-028-8-10-20140224	480-55212-6	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	190	4.0	ug/kg
LT-G-028-8-10-20140224	480-55212-6	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	190	55	ug/kg
LT-G-028-8-10-20140224	480-55212-6	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-028-8-10-20140224	480-55212-6	ACETOPHENONE	3/4/2014		Yes	N	U		U	190	9.5	ug/kg
LT-G-029-0-2-20140224	480-55212-7	FLUORANTHENE	3/4/2014		Yes	N	U		U	190	2.7	ug/kg
LT-G-029-0-2-20140224	480-55212-7	PYRENE	3/4/2014		Yes	N	U		U	190	1.2	ug/kg
LT-G-029-0-2-20140224	480-55212-7	PHENOL	3/4/2014		Yes	N	U		U	190	19	ug/kg
LT-G-029-0-2-20140224	480-55212-7	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	190	56	ug/kg
LT-G-029-0-2-20140224	480-55212-7	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	190	9.4	ug/kg
LT-G-029-0-2-20140224	480-55212-7	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		U	190	29	ug/kg
LT-G-029-0-2-20140224	480-55212-7	PHENANTHRENE	3/4/2014		Yes	N	U		U	190	3.9	ug/kg
LT-G-029-0-2-20140224	480-55212-7	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	190	5.1	ug/kg
LT-G-029-0-2-20140224	480-55212-7	FLUORENE	3/4/2014		Yes	N	U		U	190	4.2	ug/kg
LT-G-029-0-2-20140224	480-55212-7	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U		U	190	4.3	ug/kg
LT-G-029-0-2-20140224	480-55212-7	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	190	16	ug/kg
LT-G-029-0-2-20140224	480-55212-7	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	190	10	ug/kg
LT-G-029-0-2-20140224	480-55212-7	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	190	11	ug/kg
LT-G-029-0-2-20140224	480-55212-7	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	190	49	ug/kg
LT-G-029-0-2-20140224	480-55212-7	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	190	2.0	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-029-0-2-20140224	480-55212-7	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-029-0-2-20140224	480-55212-7	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	190	3.6	ug/kg
LT-G-029-0-2-20140224	480-55212-7	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	190	4.4	ug/kg
LT-G-029-0-2-20140224	480-55212-7	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		U	190	19	ug/kg
LT-G-029-0-2-20140224	480-55212-7	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	190	4.8	ug/kg
LT-G-029-0-2-20140224	480-55212-7	CAPROLACTAM	3/4/2014		Yes	N	U		U	190	80	ug/kg
LT-G-029-0-2-20140224	480-55212-7	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U		U	190	59	ug/kg
LT-G-029-0-2-20140224	480-55212-7	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	190	14	ug/kg
LT-G-029-0-2-20140224	480-55212-7	CARBAZOLE	3/4/2014		Yes	N	U		U	190	2.1	ug/kg
LT-G-029-0-2-20140224	480-55212-7	CHRYSENE	3/4/2014		Yes	N	U		U	190	1.8	ug/kg
LT-G-029-0-2-20140224	480-55212-7	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-029-0-2-20140224	480-55212-7	DIBENZOFURAN	3/4/2014		Yes	N	U		U	190	1.9	ug/kg
LT-G-029-0-2-20140224	480-55212-7	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U		U	190	10	ug/kg
LT-G-029-0-2-20140224	480-55212-7	2-NITROANILINE	3/4/2014		Yes	N	U		U	360	59	ug/kg
LT-G-029-0-2-20140224	480-55212-7	ISOPHORONE	3/4/2014		Yes	N	U		U	190	9.2	ug/kg
LT-G-029-0-2-20140224	480-55212-7	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	190	64	ug/kg
LT-G-029-0-2-20140224	480-55212-7	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U		U	190	3.2	ug/kg
LT-G-029-0-2-20140224	480-55212-7	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	190	9.2	ug/kg
LT-G-029-0-2-20140224	480-55212-7	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		U	360	63	ug/kg
LT-G-029-0-2-20140224	480-55212-7	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U		U	190	15	ug/kg
LT-G-029-0-2-20140224	480-55212-7	NITROBENZENE	3/4/2014		Yes	N	U		U	190	8.2	ug/kg
LT-G-029-0-2-20140224	480-55212-7	NAPHTHALENE	3/4/2014		Yes	N	U		U	190	3.1	ug/kg
LT-G-029-0-2-20140224	480-55212-7	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	190	5.6	ug/kg
LT-G-029-0-2-20140224	480-55212-7	2-NITROPHENOL	3/4/2014		Yes	N	U		U	190	8.4	ug/kg
LT-G-029-0-2-20140224	480-55212-7	4-NITROANILINE	3/4/2014		Yes	N	U		U	360	21	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-029-0-2-20140224	480-55212-7	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U		U	360	10	ug/kg
LT-G-029-0-2-20140224	480-55212-7	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	190	3.9	ug/kg
LT-G-029-0-2-20140224	480-55212-7	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	190	54	ug/kg
LT-G-029-0-2-20140224	480-55212-7	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U		U	190	7.6	ug/kg
LT-G-029-0-2-20140224	480-55212-7	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	190	59	ug/kg
LT-G-029-0-2-20140224	480-55212-7	4-NITROPHENOL	3/4/2014		Yes	N	U		U	360	45	ug/kg
LT-G-029-0-2-20140224	480-55212-7	3-NITROANILINE	3/4/2014		Yes	N	U		U	360	42	ug/kg
LT-G-029-0-2-20140224	480-55212-7	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	190	5.7	ug/kg
LT-G-029-0-2-20140224	480-55212-7	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-029-0-2-20140224	480-55212-7	2-CHLOROPHENOL	3/4/2014		Yes	N	U		U	190	9.4	ug/kg
LT-G-029-0-2-20140224	480-55212-7	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		U	190	12	ug/kg
LT-G-029-0-2-20140224	480-55212-7	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U		U	190	45	ug/kg
LT-G-029-0-2-20140224	480-55212-7	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		U	190	160	ug/kg
LT-G-029-0-2-20140224	480-55212-7	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	360	64	ug/kg
LT-G-029-0-2-20140224	480-55212-7	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		U	360	64	ug/kg
LT-G-029-0-2-20140224	480-55212-7	ACENAPHTHENE	3/4/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-029-0-2-20140224	480-55212-7	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	190	1.5	ug/kg
LT-G-029-0-2-20140224	480-55212-7	ACETOPHENONE	3/4/2014		Yes	N	U		U	190	9.5	ug/kg
LT-G-029-0-2-20140224	480-55212-7	ANTHRACENE	3/4/2014		Yes	N	U		U	190	4.7	ug/kg
LT-G-029-0-2-20140224	480-55212-7	ATRAZINE	3/4/2014		Yes	N	U		U	190	8.2	ug/kg
LT-G-029-0-2-20140224	480-55212-7	BENZALDEHYDE	3/4/2014		Yes	N	U		U	190	20	ug/kg
LT-G-029-0-2-20140224	480-55212-7	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		U	190	50	ug/kg
LT-G-029-0-2-20140224	480-55212-7	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	190	12	ug/kg
LT-G-029-0-2-20140224	480-55212-7	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	190	40	ug/kg
LT-G-029-0-2-20140224	480-55212-7	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U		U	190	9.7	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-029-2-4-20140224	480-55212-8	DIBENZOFURAN	3/4/2014		Yes	N	U		U	190	2.0	ug/kg
LT-G-029-2-4-20140224	480-55212-8	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	190	5.8	ug/kg
LT-G-029-2-4-20140224	480-55212-8	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	190	5.0	ug/kg
LT-G-029-2-4-20140224	480-55212-8	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U		U	190	4.5	ug/kg
LT-G-029-2-4-20140224	480-55212-8	CAPROLACTAM	3/4/2014		Yes	N	U		U	190	83	ug/kg
LT-G-029-2-4-20140224	480-55212-8	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	190	66	ug/kg
LT-G-029-2-4-20140224	480-55212-8	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	190	2.3	ug/kg
LT-G-029-2-4-20140224	480-55212-8	FLUORANTHENE	3/4/2014		Yes	N	U		U	190	2.8	ug/kg
LT-G-029-2-4-20140224	480-55212-8	CARBAZOLE	3/4/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-029-2-4-20140224	480-55212-8	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U		U	190	62	ug/kg
LT-G-029-2-4-20140224	480-55212-8	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		U	190	20	ug/kg
LT-G-029-2-4-20140224	480-55212-8	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	190	17	ug/kg
LT-G-029-2-4-20140224	480-55212-8	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	190	10	ug/kg
LT-G-029-2-4-20140224	480-55212-8	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	190	12	ug/kg
LT-G-029-2-4-20140224	480-55212-8	CHRYSENE	3/4/2014		Yes	N	U		U	190	1.9	ug/kg
LT-G-029-2-4-20140224	480-55212-8	PYRENE	3/4/2014		Yes	N	U		U	190	1.2	ug/kg
LT-G-029-2-4-20140224	480-55212-8	NITROBENZENE	3/4/2014		Yes	N	U		U	190	8.5	ug/kg
LT-G-029-2-4-20140224	480-55212-8	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U		U	190	15	ug/kg
LT-G-029-2-4-20140224	480-55212-8	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U		U	190	10	ug/kg
LT-G-029-2-4-20140224	480-55212-8	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		U	370	66	ug/kg
LT-G-029-2-4-20140224	480-55212-8	PHENANTHRENE	3/4/2014		Yes	N	U		U	190	4.0	ug/kg
LT-G-029-2-4-20140224	480-55212-8	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	190	1.6	ug/kg
LT-G-029-2-4-20140224	480-55212-8	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	190	9.8	ug/kg
LT-G-029-2-4-20140224	480-55212-8	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	190	52	ug/kg

SDG: 480552121

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-029-2-4-20140224	480-55212-8	FLUORENE	3/4/2014		Yes	N	U		U	190	4.4	ug/kg
LT-G-029-2-4-20140224	480-55212-8	ISOPHORONE	3/4/2014		Yes	N	U		U	190	9.6	ug/kg
LT-G-029-2-4-20140224	480-55212-8	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	190	5.3	ug/kg
LT-G-029-2-4-20140224	480-55212-8	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	190	15	ug/kg
LT-G-029-2-4-20140224	480-55212-8	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	190	58	ug/kg
LT-G-029-2-4-20140224	480-55212-8	NAPHTHALENE	3/4/2014		Yes	N	U		U	190	3.2	ug/kg
LT-G-029-2-4-20140224	480-55212-8	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	190	9.5	ug/kg
LT-G-029-2-4-20140224	480-55212-8	PHENOL	3/4/2014		Yes	N	U		U	190	20	ug/kg
LT-G-029-2-4-20140224	480-55212-8	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U		U	190	47	ug/kg
LT-G-029-2-4-20140224	480-55212-8	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		U	190	170	ug/kg
LT-G-029-2-4-20140224	480-55212-8	2-NITROPHENOL	3/4/2014		Yes	N	U		U	190	8.8	ug/kg
LT-G-029-2-4-20140224	480-55212-8	2-NITROANILINE	3/4/2014		Yes	N	U		U	370	62	ug/kg
LT-G-029-2-4-20140224	480-55212-8	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	190	2.1	ug/kg
LT-G-029-2-4-20140224	480-55212-8	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		U	190	2.3	ug/kg
LT-G-029-2-4-20140224	480-55212-8	ATRAZINE	3/4/2014		Yes	N	U		U	190	8.5	ug/kg
LT-G-029-2-4-20140224	480-55212-8	3-NITROANILINE	3/4/2014		Yes	N	U		U	370	44	ug/kg
LT-G-029-2-4-20140224	480-55212-8	ANTHRACENE	3/4/2014		Yes	N	U		U	190	4.9	ug/kg
LT-G-029-2-4-20140224	480-55212-8	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	190	5.9	ug/kg
LT-G-029-2-4-20140224	480-55212-8	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		U	190	30	ug/kg
LT-G-029-2-4-20140224	480-55212-8	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	370	67	ug/kg
LT-G-029-2-4-20140224	480-55212-8	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		U	190	52	ug/kg
LT-G-029-2-4-20140224	480-55212-8	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U		U	190	10	ug/kg
LT-G-029-2-4-20140224	480-55212-8	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	190	13	ug/kg
LT-G-029-2-4-20140224	480-55212-8	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	190	42	ug/kg
LT-G-029-2-4-20140224	480-55212-8	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		U	190	13	ug/kg

SDG: 480552121

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-029-2-4-20140224	480-55212-8	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U		U	190	3.3	ug/kg
LT-G-029-2-4-20140224	480-55212-8	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	190	2.3	ug/kg
LT-G-029-2-4-20140224	480-55212-8	2-CHLOROPHENOL	3/4/2014		Yes	N	U		U	190	9.8	ug/kg
LT-G-029-2-4-20140224	480-55212-8	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	190	4.6	ug/kg
LT-G-029-2-4-20140224	480-55212-8	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		U	370	66	ug/kg
LT-G-029-2-4-20140224	480-55212-8	BENZALDEHYDE	3/4/2014		Yes	N	U		U	190	21	ug/kg
LT-G-029-2-4-20140224	480-55212-8	ACETOPHENONE	3/4/2014		Yes	N	U		U	190	9.8	ug/kg
LT-G-029-2-4-20140224	480-55212-8	ACENAPHTHENE	3/4/2014		Yes	N	U		U	190	2.3	ug/kg
LT-G-029-2-4-20140224	480-55212-8	4-NITROANILINE	3/4/2014		Yes	N	U		U	370	21	ug/kg
LT-G-029-2-4-20140224	480-55212-8	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U		U	370	11	ug/kg
LT-G-029-2-4-20140224	480-55212-8	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	190	4.1	ug/kg
LT-G-029-2-4-20140224	480-55212-8	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	190	56	ug/kg
LT-G-029-2-4-20140224	480-55212-8	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U		U	190	7.9	ug/kg
LT-G-029-2-4-20140224	480-55212-8	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	190	61	ug/kg
LT-G-029-2-4-20140224	480-55212-8	4-NITROPHENOL	3/4/2014		Yes	N	U		U	370	46	ug/kg
LT-G-029-2-4-20140224	480-55212-8	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	190	3.7	ug/kg
LT-G-029-8-10-20140224	480-55212-9	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	39	ug/kg
LT-G-029-8-10-20140224	480-55212-9	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	180	5.5	ug/kg
LT-G-029-8-10-20140224	480-55212-9	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-029-8-10-20140224	480-55212-9	2-CHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.1	ug/kg
LT-G-029-8-10-20140224	480-55212-9	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		U	180	12	ug/kg
LT-G-029-8-10-20140224	480-55212-9	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	44	ug/kg
LT-G-029-8-10-20140224	480-55212-9	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	28	ug/kg
LT-G-029-8-10-20140224	480-55212-9	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	350	63	ug/kg
LT-G-029-8-10-20140224	480-55212-9	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		U	180	48	ug/kg

SDG: 480552121

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-029-8-10-20140224	480-55212-9	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	12	ug/kg
LT-G-029-8-10-20140224	480-55212-9	2-NITROANILINE	3/4/2014		Yes	N	U		U	350	57	ug/kg
LT-G-029-8-10-20140224	480-55212-9	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014	130	Yes	Y	J		J	180	58	ug/kg
LT-G-029-8-10-20140224	480-55212-9	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.4	ug/kg
LT-G-029-8-10-20140224	480-55212-9	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	180	54	ug/kg
LT-G-029-8-10-20140224	480-55212-9	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	180	15	ug/kg
LT-G-029-8-10-20140224	480-55212-9	CHRYSENE	3/4/2014		Yes	N	U		U	180	1.8	ug/kg
LT-G-029-8-10-20140224	480-55212-9	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-029-8-10-20140224	480-55212-9	DIBENZOFURAN	3/4/2014		Yes	N	U		U	180	1.9	ug/kg
LT-G-029-8-10-20140224	480-55212-9	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	5.4	ug/kg
LT-G-029-8-10-20140224	480-55212-9	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	4.7	ug/kg
LT-G-029-8-10-20140224	480-55212-9	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	62	ug/kg
LT-G-029-8-10-20140224	480-55212-9	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U		U	180	4.2	ug/kg
LT-G-029-8-10-20140224	480-55212-9	FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.6	ug/kg
LT-G-029-8-10-20140224	480-55212-9	FLUORENE	3/4/2014		Yes	N	U		U	180	4.1	ug/kg
LT-G-029-8-10-20140224	480-55212-9	CAPROLACTAM	3/4/2014		Yes	N	U		U	180	77	ug/kg
LT-G-029-8-10-20140224	480-55212-9	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	180	9.1	ug/kg
LT-G-029-8-10-20140224	480-55212-9	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		U	180	19	ug/kg
LT-G-029-8-10-20140224	480-55212-9	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	180	14	ug/kg
LT-G-029-8-10-20140224	480-55212-9	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	180	4.9	ug/kg
LT-G-029-8-10-20140224	480-55212-9	ISOPHORONE	3/4/2014		Yes	N	U		U	180	8.9	ug/kg
LT-G-029-8-10-20140224	480-55212-9	NAPHTHALENE	3/4/2014		Yes	N	U		U	180	3.0	ug/kg
LT-G-029-8-10-20140224	480-55212-9	NITROBENZENE	3/4/2014		Yes	N	U		U	180	7.9	ug/kg
LT-G-029-8-10-20140224	480-55212-9	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U		U	180	14	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-029-8-10-20140224	480-55212-9	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U		U	180	9.8	ug/kg
LT-G-029-8-10-20140224	480-55212-9	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		U	350	61	ug/kg
LT-G-029-8-10-20140224	480-55212-9	PHENANTHRENE	3/4/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-029-8-10-20140224	480-55212-9	PHENOL	3/4/2014		Yes	N	U		U	180	19	ug/kg
LT-G-029-8-10-20140224	480-55212-9	PYRENE	3/4/2014		Yes	N	U		U	180	1.2	ug/kg
LT-G-029-8-10-20140224	480-55212-9	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	180	8.9	ug/kg
LT-G-029-8-10-20140224	480-55212-9	ACETOPHENONE	3/4/2014		Yes	N	U		U	180	9.2	ug/kg
LT-G-029-8-10-20140224	480-55212-9	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		U	180	160	ug/kg
LT-G-029-8-10-20140224	480-55212-9	3-NITROANILINE	3/4/2014		Yes	N	U		U	350	41	ug/kg
LT-G-029-8-10-20140224	480-55212-9	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		U	350	62	ug/kg
LT-G-029-8-10-20140224	480-55212-9	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	57	ug/kg
LT-G-029-8-10-20140224	480-55212-9	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U		U	180	7.4	ug/kg
LT-G-029-8-10-20140224	480-55212-9	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	180	52	ug/kg
LT-G-029-8-10-20140224	480-55212-9	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-029-8-10-20140224	480-55212-9	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U		U	350	10	ug/kg
LT-G-029-8-10-20140224	480-55212-9	4-NITROANILINE	3/4/2014		Yes	N	U		U	350	20	ug/kg
LT-G-029-8-10-20140224	480-55212-9	4-NITROPHENOL	3/4/2014		Yes	N	U		U	350	43	ug/kg
LT-G-029-8-10-20140224	480-55212-9	CARBAZOLE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-029-8-10-20140224	480-55212-9	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	180	1.5	ug/kg
LT-G-029-8-10-20140224	480-55212-9	2-NITROPHENOL	3/4/2014		Yes	N	U		U	180	8.2	ug/kg
LT-G-029-8-10-20140224	480-55212-9	ANTHRACENE	3/4/2014		Yes	N	U		U	180	4.6	ug/kg
LT-G-029-8-10-20140224	480-55212-9	ATRAZINE	3/4/2014		Yes	N	U		U	180	8.0	ug/kg
LT-G-029-8-10-20140224	480-55212-9	BENZALDEHYDE	3/4/2014		Yes	N	U		U	180	20	ug/kg
LT-G-029-8-10-20140224	480-55212-9	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U		U	180	3.1	ug/kg
LT-G-029-8-10-20140224	480-55212-9	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	180	4.3	ug/kg

SDG: 480552121

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-029-8-10-20140224	480-55212-9	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	3.5	ug/kg
LT-G-029-8-10-20140224	480-55212-9	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-029-8-10-20140224	480-55212-9	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.0	ug/kg
LT-G-029-8-10-20140224	480-55212-9	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	48	ug/kg
LT-G-029-8-10-20140224	480-55212-9	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	180	11	ug/kg
LT-G-029-8-10-20140224	480-55212-9	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	180	9.7	ug/kg
LT-G-029-8-10-20140224	480-55212-9	ACENAPHTHENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-030-0-2-20140224	480-55212-12	NITROBENZENE	3/4/2014		Yes	N	U		U	180	8.1	ug/kg
LT-G-030-0-2-20140224	480-55212-12	ACENAPHTHENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-030-0-2-20140224	480-55212-12	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U		U	180	10	ug/kg
LT-G-030-0-2-20140224	480-55212-12	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U		U	180	7.5	ug/kg
LT-G-030-0-2-20140224	480-55212-12	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	180	54	ug/kg
LT-G-030-0-2-20140224	480-55212-12	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	3.9	ug/kg
LT-G-030-0-2-20140224	480-55212-12	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U		U	360	10	ug/kg
LT-G-030-0-2-20140224	480-55212-12	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		U	360	63	ug/kg
LT-G-030-0-2-20140224	480-55212-12	4-NITROPHENOL	3/4/2014		Yes	N	U		U	360	44	ug/kg
LT-G-030-0-2-20140224	480-55212-12	3-NITROANILINE	3/4/2014		Yes	N	U		U	360	42	ug/kg
LT-G-030-0-2-20140224	480-55212-12	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	180	1.5	ug/kg
LT-G-030-0-2-20140224	480-55212-12	ACETOPHENONE	3/4/2014		Yes	N	U		U	180	9.4	ug/kg
LT-G-030-0-2-20140224	480-55212-12	ANTHRACENE	3/4/2014		Yes	N	U		U	180	4.7	ug/kg
LT-G-030-0-2-20140224	480-55212-12	ATRAZINE	3/4/2014		Yes	N	U		U	180	8.2	ug/kg
LT-G-030-0-2-20140224	480-55212-12	BENZALDEHYDE	3/4/2014		Yes	N	U		U	180	20	ug/kg
LT-G-030-0-2-20140224	480-55212-12	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U		U	180	3.2	ug/kg
LT-G-030-0-2-20140224	480-55212-12	4-NITROANILINE	3/4/2014		Yes	N	U		U	360	20	ug/kg
LT-G-030-0-2-20140224	480-55212-12	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		U	180	12	ug/kg

SDG: 480552121

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-030-0-2-20140224	480-55212-12	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	40	ug/kg
LT-G-030-0-2-20140224	480-55212-12	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	12	ug/kg
LT-G-030-0-2-20140224	480-55212-12	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.6	ug/kg
LT-G-030-0-2-20140224	480-55212-12	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		U	180	50	ug/kg
LT-G-030-0-2-20140224	480-55212-12	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	360	64	ug/kg
LT-G-030-0-2-20140224	480-55212-12	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	58	ug/kg
LT-G-030-0-2-20140224	480-55212-12	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	45	ug/kg
LT-G-030-0-2-20140224	480-55212-12	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-030-0-2-20140224	480-55212-12	2-CHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.3	ug/kg
LT-G-030-0-2-20140224	480-55212-12	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-030-0-2-20140224	480-55212-12	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	180	5.6	ug/kg
LT-G-030-0-2-20140224	480-55212-12	2-NITROANILINE	3/4/2014		Yes	N	U		U	360	59	ug/kg
LT-G-030-0-2-20140224	480-55212-12	2-NITROPHENOL	3/4/2014		Yes	N	U		U	180	8.4	ug/kg
LT-G-030-0-2-20140224	480-55212-12	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		U	180	160	ug/kg
LT-G-030-0-2-20140224	480-55212-12	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	28	ug/kg
LT-G-030-0-2-20140224	480-55212-12	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	180	5.1	ug/kg
LT-G-030-0-2-20140224	480-55212-12	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	180	4.4	ug/kg
LT-G-030-0-2-20140224	480-55212-12	FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.7	ug/kg
LT-G-030-0-2-20140224	480-55212-12	FLUORENE	3/4/2014		Yes	N	U		U	180	4.2	ug/kg
LT-G-030-0-2-20140224	480-55212-12	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	180	9.1	ug/kg
LT-G-030-0-2-20140224	480-55212-12	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	180	9.4	ug/kg
LT-G-030-0-2-20140224	480-55212-12	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	63	ug/kg
LT-G-030-0-2-20140224	480-55212-12	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	180	14	ug/kg
LT-G-030-0-2-20140224	480-55212-12	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	4.8	ug/kg
LT-G-030-0-2-20140224	480-55212-12	ISOPHORONE	3/4/2014		Yes	N	U		U	180	9.2	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-030-0-2-20140224	480-55212-12	NAPHTHALENE	3/4/2014		Yes	N	U		U	180	3.1	ug/kg
LT-G-030-0-2-20140224	480-55212-12	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U		U	180	15	ug/kg
LT-G-030-0-2-20140224	480-55212-12	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		U	360	63	ug/kg
LT-G-030-0-2-20140224	480-55212-12	PHENANTHRENE	3/4/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-030-0-2-20140224	480-55212-12	PHENOL	3/4/2014		Yes	N	U		U	180	19	ug/kg
LT-G-030-0-2-20140224	480-55212-12	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	180	55	ug/kg
LT-G-030-0-2-20140224	480-55212-12	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014	230	Yes	Y				180	59	ug/kg
LT-G-030-0-2-20140224	480-55212-12	PYRENE	3/4/2014		Yes	N	U		U	180	1.2	ug/kg
LT-G-030-0-2-20140224	480-55212-12	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.0	ug/kg
LT-G-030-0-2-20140224	480-55212-12	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	49	ug/kg
LT-G-030-0-2-20140224	480-55212-12	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	180	11	ug/kg
LT-G-030-0-2-20140224	480-55212-12	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	180	10	ug/kg
LT-G-030-0-2-20140224	480-55212-12	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U		U	180	4.3	ug/kg
LT-G-030-0-2-20140224	480-55212-12	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		U	180	19	ug/kg
LT-G-030-0-2-20140224	480-55212-12	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	3.6	ug/kg
LT-G-030-0-2-20140224	480-55212-12	CAPROLACTAM	3/4/2014		Yes	N	U		U	180	79	ug/kg
LT-G-030-0-2-20140224	480-55212-12	CARBAZOLE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-030-0-2-20140224	480-55212-12	CHRYSENE	3/4/2014		Yes	N	U		U	180	1.8	ug/kg
LT-G-030-0-2-20140224	480-55212-12	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-030-0-2-20140224	480-55212-12	DIBENZOFURAN	3/4/2014		Yes	N	U		U	180	1.9	ug/kg
LT-G-030-0-2-20140224	480-55212-12	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	5.5	ug/kg
LT-G-030-0-2-20140224	480-55212-12	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	180	16	ug/kg
LT-G-030-4-6-20140224	480-55212-13	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	180	1.5	ug/kg
LT-G-030-4-6-20140224	480-55212-13	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.0	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-030-4-6-20140224	480-55212-13	4-NITROANILINE	3/4/2014		Yes	N	U		U	350	20	ug/kg
LT-G-030-4-6-20140224	480-55212-13	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-030-4-6-20140224	480-55212-13	CHRYSENE	3/4/2014		Yes	N	U		U	180	1.8	ug/kg
LT-G-030-4-6-20140224	480-55212-13	CARBAZOLE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-030-4-6-20140224	480-55212-13	CAPROLACTAM	3/4/2014		Yes	N	U		U	180	78	ug/kg
LT-G-030-4-6-20140224	480-55212-13	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U		U	180	58	ug/kg
LT-G-030-4-6-20140224	480-55212-13	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		U	180	19	ug/kg
LT-G-030-4-6-20140224	480-55212-13	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	180	16	ug/kg
LT-G-030-4-6-20140224	480-55212-13	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	5.4	ug/kg
LT-G-030-4-6-20140224	480-55212-13	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	180	11	ug/kg
LT-G-030-4-6-20140224	480-55212-13	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	4.7	ug/kg
LT-G-030-4-6-20140224	480-55212-13	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	3.5	ug/kg
LT-G-030-4-6-20140224	480-55212-13	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	180	4.3	ug/kg
LT-G-030-4-6-20140224	480-55212-13	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U		U	180	3.1	ug/kg
LT-G-030-4-6-20140224	480-55212-13	BENZALDEHYDE	3/4/2014		Yes	N	U		U	180	20	ug/kg
LT-G-030-4-6-20140224	480-55212-13	ATRAZINE	3/4/2014		Yes	N	U		U	180	8.0	ug/kg
LT-G-030-4-6-20140224	480-55212-13	ACETOPHENONE	3/4/2014		Yes	N	U		U	180	9.3	ug/kg
LT-G-030-4-6-20140224	480-55212-13	ACENAPHTHENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-030-4-6-20140224	480-55212-13	4-NITROPHENOL	3/4/2014		Yes	N	U		U	350	44	ug/kg
LT-G-030-4-6-20140224	480-55212-13	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	180	9.8	ug/kg
LT-G-030-4-6-20140224	480-55212-13	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	180	5.0	ug/kg
LT-G-030-4-6-20140224	480-55212-13	ANTHRACENE	3/4/2014		Yes	N	U		U	180	4.6	ug/kg
LT-G-030-4-6-20140224	480-55212-13	PYRENE	3/4/2014		Yes	N	U		U	180	1.2	ug/kg
LT-G-030-4-6-20140224	480-55212-13	PHENOL	3/4/2014		Yes	N	U		U	180	19	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-030-4-6-20140224	480-55212-13	PHENANTHRENE	3/4/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-030-4-6-20140224	480-55212-13	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		U	350	62	ug/kg
LT-G-030-4-6-20140224	480-55212-13	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U		U	180	9.9	ug/kg
LT-G-030-4-6-20140224	480-55212-13	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U		U	180	14	ug/kg
LT-G-030-4-6-20140224	480-55212-13	NITROBENZENE	3/4/2014		Yes	N	U		U	180	8.0	ug/kg
LT-G-030-4-6-20140224	480-55212-13	DIBENZOFURAN	3/4/2014		Yes	N	U		U	180	1.9	ug/kg
LT-G-030-4-6-20140224	480-55212-13	ISOPHORONE	3/4/2014		Yes	N	U		U	180	9.0	ug/kg
LT-G-030-4-6-20140224	480-55212-13	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-030-4-6-20140224	480-55212-13	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	180	14	ug/kg
LT-G-030-4-6-20140224	480-55212-13	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	180	55	ug/kg
LT-G-030-4-6-20140224	480-55212-13	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	180	9.2	ug/kg
LT-G-030-4-6-20140224	480-55212-13	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	180	9.0	ug/kg
LT-G-030-4-6-20140224	480-55212-13	FLUORENE	3/4/2014		Yes	N	U		U	180	4.2	ug/kg
LT-G-030-4-6-20140224	480-55212-13	FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.6	ug/kg
LT-G-030-4-6-20140224	480-55212-13	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U		U	180	4.2	ug/kg
LT-G-030-4-6-20140224	480-55212-13	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	62	ug/kg
LT-G-030-4-6-20140224	480-55212-13	NAPHTHALENE	3/4/2014		Yes	N	U		U	180	3.0	ug/kg
LT-G-030-4-6-20140224	480-55212-13	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.5	ug/kg
LT-G-030-4-6-20140224	480-55212-13	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	48	ug/kg
LT-G-030-4-6-20140224	480-55212-13	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U		U	350	10	ug/kg
LT-G-030-4-6-20140224	480-55212-13	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	12	ug/kg
LT-G-030-4-6-20140224	480-55212-13	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		U	180	49	ug/kg
LT-G-030-4-6-20140224	480-55212-13	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	350	63	ug/kg
LT-G-030-4-6-20140224	480-55212-13	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	28	ug/kg
LT-G-030-4-6-20140224	480-55212-13	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	44	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-030-4-6-20140224	480-55212-13	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		U	180	12	ug/kg
LT-G-030-4-6-20140224	480-55212-13	2-CHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.2	ug/kg
LT-G-030-4-6-20140224	480-55212-13	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-030-4-6-20140224	480-55212-13	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U		U	180	7.4	ug/kg
LT-G-030-4-6-20140224	480-55212-13	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-030-4-6-20140224	480-55212-13	2-NITROANILINE	3/4/2014		Yes	N	U		U	350	58	ug/kg
LT-G-030-4-6-20140224	480-55212-13	2-NITROPHENOL	3/4/2014		Yes	N	U		U	180	8.2	ug/kg
LT-G-030-4-6-20140224	480-55212-13	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		U	180	160	ug/kg
LT-G-030-4-6-20140224	480-55212-13	3-NITROANILINE	3/4/2014		Yes	N	U		U	350	41	ug/kg
LT-G-030-4-6-20140224	480-55212-13	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		U	350	62	ug/kg
LT-G-030-4-6-20140224	480-55212-13	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	57	ug/kg
LT-G-030-4-6-20140224	480-55212-13	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	39	ug/kg
LT-G-030-4-6-20140224	480-55212-13	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	180	53	ug/kg
LT-G-030-4-6-20140224	480-55212-13	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	180	5.5	ug/kg
LT-G-030-6-8-20140224	480-55212-14	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	190	5.6	ug/kg
LT-G-030-6-8-20140224	480-55212-14	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		U	190	2.3	ug/kg
LT-G-030-6-8-20140224	480-55212-14	2-CHLOROPHENOL	3/4/2014		Yes	N	U		U	190	9.5	ug/kg
LT-G-030-6-8-20140224	480-55212-14	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		U	190	13	ug/kg
LT-G-030-6-8-20140224	480-55212-14	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U		U	190	46	ug/kg
LT-G-030-6-8-20140224	480-55212-14	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	370	65	ug/kg
LT-G-030-6-8-20140224	480-55212-14	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	190	59	ug/kg
LT-G-030-6-8-20140224	480-55212-14	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		U	190	51	ug/kg
LT-G-030-6-8-20140224	480-55212-14	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U		U	190	9.8	ug/kg
LT-G-030-6-8-20140224	480-55212-14	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		U	190	29	ug/kg
LT-G-030-6-8-20140224	480-55212-14	2-NITROANILINE	3/4/2014		Yes	N	U		U	370	60	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-030-6-8-20140224	480-55212-14	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		U	190	160	ug/kg
LT-G-030-6-8-20140224	480-55212-14	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		U	370	65	ug/kg
LT-G-030-6-8-20140224	480-55212-14	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U		U	190	7.7	ug/kg
LT-G-030-6-8-20140224	480-55212-14	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	190	55	ug/kg
LT-G-030-6-8-20140224	480-55212-14	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	190	4.0	ug/kg
LT-G-030-6-8-20140224	480-55212-14	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	190	12	ug/kg
LT-G-030-6-8-20140224	480-55212-14	NAPHTHALENE	3/4/2014		Yes	N	U		U	190	3.1	ug/kg
LT-G-030-6-8-20140224	480-55212-14	4-NITROANILINE	3/4/2014		Yes	N	U		U	370	21	ug/kg
LT-G-030-6-8-20140224	480-55212-14	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U		U	370	10	ug/kg
LT-G-030-6-8-20140224	480-55212-14	3-NITROANILINE	3/4/2014		Yes	N	U		U	370	43	ug/kg
LT-G-030-6-8-20140224	480-55212-14	ISOPHORONE	3/4/2014		Yes	N	U		U	190	9.3	ug/kg
LT-G-030-6-8-20140224	480-55212-14	2-NITROPHENOL	3/4/2014		Yes	N	U		U	190	8.5	ug/kg
LT-G-030-6-8-20140224	480-55212-14	4-NITROPHENOL	3/4/2014		Yes	N	U		U	370	45	ug/kg
LT-G-030-6-8-20140224	480-55212-14	DIBENZOFURAN	3/4/2014		Yes	N	U		U	190	1.9	ug/kg
LT-G-030-6-8-20140224	480-55212-14	PYRENE	3/4/2014		Yes	N	U		U	190	1.2	ug/kg
LT-G-030-6-8-20140224	480-55212-14	PHENOL	3/4/2014		Yes	N	U		U	190	20	ug/kg
LT-G-030-6-8-20140224	480-55212-14	PHENANTHRENE	3/4/2014		Yes	N	U		U	190	3.9	ug/kg
LT-G-030-6-8-20140224	480-55212-14	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		U	370	64	ug/kg
LT-G-030-6-8-20140224	480-55212-14	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U		U	190	10	ug/kg
LT-G-030-6-8-20140224	480-55212-14	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	190	5.2	ug/kg
LT-G-030-6-8-20140224	480-55212-14	NITROBENZENE	3/4/2014		Yes	N	U		U	190	8.3	ug/kg
LT-G-030-6-8-20140224	480-55212-14	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	190	41	ug/kg
LT-G-030-6-8-20140224	480-55212-14	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	190	14	ug/kg
LT-G-030-6-8-20140224	480-55212-14	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	190	57	ug/kg
LT-G-030-6-8-20140224	480-55212-14	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	190	9.6	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-030-6-8-20140224	480-55212-14	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	190	9.3	ug/kg
LT-G-030-6-8-20140224	480-55212-14	FLUORENE	3/4/2014		Yes	N	U		U	190	4.3	ug/kg
LT-G-030-6-8-20140224	480-55212-14	FLUORANTHENE	3/4/2014		Yes	N	U		U	190	2.7	ug/kg
LT-G-030-6-8-20140224	480-55212-14	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U		U	190	4.4	ug/kg
LT-G-030-6-8-20140224	480-55212-14	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	190	65	ug/kg
LT-G-030-6-8-20140224	480-55212-14	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	190	4.9	ug/kg
LT-G-030-6-8-20140224	480-55212-14	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U		U	190	15	ug/kg
LT-G-030-6-8-20140224	480-55212-14	BENZALDEHYDE	3/4/2014		Yes	N	U		U	190	21	ug/kg
LT-G-030-6-8-20140224	480-55212-14	CHRYSENE	3/4/2014		Yes	N	U		U	190	1.9	ug/kg
LT-G-030-6-8-20140224	480-55212-14	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	190	5.8	ug/kg
LT-G-030-6-8-20140224	480-55212-14	ACENAPHTHENE	3/4/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-030-6-8-20140224	480-55212-14	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	190	1.5	ug/kg
LT-G-030-6-8-20140224	480-55212-14	ACETOPHENONE	3/4/2014		Yes	N	U		U	190	9.6	ug/kg
LT-G-030-6-8-20140224	480-55212-14	ATRAZINE	3/4/2014		Yes	N	U		U	190	8.3	ug/kg
LT-G-030-6-8-20140224	480-55212-14	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-030-6-8-20140224	480-55212-14	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U		U	190	3.2	ug/kg
LT-G-030-6-8-20140224	480-55212-14	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	190	4.5	ug/kg
LT-G-030-6-8-20140224	480-55212-14	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	190	3.6	ug/kg
LT-G-030-6-8-20140224	480-55212-14	CAPROLACTAM	3/4/2014		Yes	N	U		U	190	81	ug/kg
LT-G-030-6-8-20140224	480-55212-14	ANTHRACENE	3/4/2014		Yes	N	U		U	190	4.8	ug/kg
LT-G-030-6-8-20140224	480-55212-14	CARBAZOLE	3/4/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-030-6-8-20140224	480-55212-14	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-030-6-8-20140224	480-55212-14	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U		U	190	60	ug/kg
LT-G-030-6-8-20140224	480-55212-14	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		U	190	20	ug/kg

SDG: 480552121

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-030-6-8-20140224	480-55212-14	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	190	16	ug/kg
LT-G-030-6-8-20140224	480-55212-14	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	190	10	ug/kg
LT-G-030-6-8-20140224	480-55212-14	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	190	12	ug/kg
LT-G-030-6-8-20140224	480-55212-14	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	190	50	ug/kg
LT-G-030-6-8-20140224	480-55212-14	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	190	2.1	ug/kg
LT-G-031-0-2-20140224	480-55212-15	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	180	55	ug/kg
LT-G-031-0-2-20140224	480-55212-15	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	4.7	ug/kg
LT-G-031-0-2-20140224	480-55212-15	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	63	ug/kg
LT-G-031-0-2-20140224	480-55212-15	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U		U	180	4.3	ug/kg
LT-G-031-0-2-20140224	480-55212-15	FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.6	ug/kg
LT-G-031-0-2-20140224	480-55212-15	FLUORENE	3/4/2014		Yes	N	U		U	180	4.2	ug/kg
LT-G-031-0-2-20140224	480-55212-15	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	180	9.0	ug/kg
LT-G-031-0-2-20140224	480-55212-15	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	180	9.3	ug/kg
LT-G-031-0-2-20140224	480-55212-15	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	5.5	ug/kg
LT-G-031-0-2-20140224	480-55212-15	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	180	14	ug/kg
LT-G-031-0-2-20140224	480-55212-15	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	180	5.0	ug/kg
LT-G-031-0-2-20140224	480-55212-15	ISOPHORONE	3/4/2014		Yes	N	U		U	180	9.1	ug/kg
LT-G-031-0-2-20140224	480-55212-15	NAPHTHALENE	3/4/2014		Yes	N	U		U	180	3.0	ug/kg
LT-G-031-0-2-20140224	480-55212-15	NITROBENZENE	3/4/2014		Yes	N	U		U	180	8.1	ug/kg
LT-G-031-0-2-20140224	480-55212-15	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U		U	180	14	ug/kg
LT-G-031-0-2-20140224	480-55212-15	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U		U	180	9.9	ug/kg
LT-G-031-0-2-20140224	480-55212-15	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		U	360	62	ug/kg
LT-G-031-0-2-20140224	480-55212-15	PHENANTHRENE	3/4/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-031-0-2-20140224	480-55212-15	CARBAZOLE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-031-0-2-20140224	480-55212-15	PYRENE	3/4/2014		Yes	N	U		U	180	1.2	ug/kg
LT-G-031-0-2-20140224	480-55212-15	PHENOL	3/4/2014		Yes	N	U		U	180	19	ug/kg
LT-G-031-0-2-20140224	480-55212-15	2-CHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.3	ug/kg
LT-G-031-0-2-20140224	480-55212-15	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	180	53	ug/kg
LT-G-031-0-2-20140224	480-55212-15	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U		U	180	7.5	ug/kg
LT-G-031-0-2-20140224	480-55212-15	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	58	ug/kg
LT-G-031-0-2-20140224	480-55212-15	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		U	360	63	ug/kg
LT-G-031-0-2-20140224	480-55212-15	3-NITROANILINE	3/4/2014		Yes	N	U		U	360	42	ug/kg
LT-G-031-0-2-20140224	480-55212-15	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		U	180	160	ug/kg
LT-G-031-0-2-20140224	480-55212-15	2-NITROPHENOL	3/4/2014		Yes	N	U		U	180	8.3	ug/kg
LT-G-031-0-2-20140224	480-55212-15	2-NITROANILINE	3/4/2014		Yes	N	U		U	360	58	ug/kg
LT-G-031-0-2-20140224	480-55212-15	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-031-0-2-20140224	480-55212-15	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-031-0-2-20140224	480-55212-15	4-NITROANILINE	3/4/2014		Yes	N	U		U	360	20	ug/kg
LT-G-031-0-2-20140224	480-55212-15	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		U	180	12	ug/kg
LT-G-031-0-2-20140224	480-55212-15	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	45	ug/kg
LT-G-031-0-2-20140224	480-55212-15	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	28	ug/kg
LT-G-031-0-2-20140224	480-55212-15	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	360	64	ug/kg
LT-G-031-0-2-20140224	480-55212-15	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		U	180	49	ug/kg
LT-G-031-0-2-20140224	480-55212-15	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.5	ug/kg
LT-G-031-0-2-20140224	480-55212-15	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	12	ug/kg
LT-G-031-0-2-20140224	480-55212-15	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	40	ug/kg
LT-G-031-0-2-20140224	480-55212-15	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	180	5.6	ug/kg
LT-G-031-0-2-20140224	480-55212-15	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	180	4.4	ug/kg
LT-G-031-0-2-20140224	480-55212-15	CAPROLACTAM	3/4/2014		Yes	N	U		U	180	79	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-031-0-2-20140224	480-55212-15	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U		U	180	59	ug/kg
LT-G-031-0-2-20140224	480-55212-15	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		U	180	19	ug/kg
LT-G-031-0-2-20140224	480-55212-15	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	180	16	ug/kg
LT-G-031-0-2-20140224	480-55212-15	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	180	9.9	ug/kg
LT-G-031-0-2-20140224	480-55212-15	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	180	11	ug/kg
LT-G-031-0-2-20140224	480-55212-15	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	49	ug/kg
LT-G-031-0-2-20140224	480-55212-15	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.0	ug/kg
LT-G-031-0-2-20140224	480-55212-15	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	3.9	ug/kg
LT-G-031-0-2-20140224	480-55212-15	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	3.5	ug/kg
LT-G-031-0-2-20140224	480-55212-15	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U		U	360	10	ug/kg
LT-G-031-0-2-20140224	480-55212-15	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U		U	180	3.1	ug/kg
LT-G-031-0-2-20140224	480-55212-15	BENZALDEHYDE	3/4/2014		Yes	N	U		U	180	20	ug/kg
LT-G-031-0-2-20140224	480-55212-15	ATRAZINE	3/4/2014		Yes	N	U		U	180	8.1	ug/kg
LT-G-031-0-2-20140224	480-55212-15	ANTHRACENE	3/4/2014		Yes	N	U		U	180	4.7	ug/kg
LT-G-031-0-2-20140224	480-55212-15	ACETOPHENONE	3/4/2014		Yes	N	U		U	180	9.3	ug/kg
LT-G-031-0-2-20140224	480-55212-15	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	180	1.5	ug/kg
LT-G-031-0-2-20140224	480-55212-15	ACENAPHTHENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-031-0-2-20140224	480-55212-15	4-NITROPHENOL	3/4/2014		Yes	N	U		U	360	44	ug/kg
LT-G-031-0-2-20140224	480-55212-15	DIBENZOFURAN	3/4/2014		Yes	N	U		U	180	1.9	ug/kg
LT-G-031-0-2-20140224	480-55212-15	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-031-0-2-20140224	480-55212-15	CHRYSENE	3/4/2014		Yes	N	U		U	180	1.8	ug/kg
LT-G-031-4-6-20140224	480-55212-16	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U		U	180	7.5	ug/kg
LT-G-031-4-6-20140224	480-55212-16	ACETOPHENONE	3/4/2014		Yes	N	U		U	180	9.4	ug/kg
LT-G-031-4-6-20140224	480-55212-16	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	180	1.5	ug/kg

SDG: 480552121

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-031-4-6-20140224	480-55212-16	ACENAPHTHENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-031-4-6-20140224	480-55212-16	4-NITROPHENOL	3/4/2014		Yes	N	U		U	360	44	ug/kg
LT-G-031-4-6-20140224	480-55212-16	4-NITROANILINE	3/4/2014		Yes	N	U		U	360	20	ug/kg
LT-G-031-4-6-20140224	480-55212-16	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U		U	360	10	ug/kg
LT-G-031-4-6-20140224	480-55212-16	2-NITROANILINE	3/4/2014		Yes	N	U		U	360	58	ug/kg
LT-G-031-4-6-20140224	480-55212-16	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	180	53	ug/kg
LT-G-031-4-6-20140224	480-55212-16	BENZALDEHYDE	3/4/2014		Yes	N	U		U	180	20	ug/kg
LT-G-031-4-6-20140224	480-55212-16	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	58	ug/kg
LT-G-031-4-6-20140224	480-55212-16	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		U	360	63	ug/kg
LT-G-031-4-6-20140224	480-55212-16	3-NITROANILINE	3/4/2014		Yes	N	U		U	360	42	ug/kg
LT-G-031-4-6-20140224	480-55212-16	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		U	180	160	ug/kg
LT-G-031-4-6-20140224	480-55212-16	2-NITROPHENOL	3/4/2014		Yes	N	U		U	180	8.3	ug/kg
LT-G-031-4-6-20140224	480-55212-16	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	3.9	ug/kg
LT-G-031-4-6-20140224	480-55212-16	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	49	ug/kg
LT-G-031-4-6-20140224	480-55212-16	CHRYSENE	3/4/2014		Yes	N	U		U	180	1.8	ug/kg
LT-G-031-4-6-20140224	480-55212-16	PYRENE	3/4/2014		Yes	N	U		U	180	1.2	ug/kg
LT-G-031-4-6-20140224	480-55212-16	CAPROLACTAM	3/4/2014		Yes	N	U		U	180	79	ug/kg
LT-G-031-4-6-20140224	480-55212-16	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U		U	180	59	ug/kg
LT-G-031-4-6-20140224	480-55212-16	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		U	180	19	ug/kg
LT-G-031-4-6-20140224	480-55212-16	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	180	16	ug/kg
LT-G-031-4-6-20140224	480-55212-16	ANTHRACENE	3/4/2014		Yes	N	U		U	180	4.7	ug/kg
LT-G-031-4-6-20140224	480-55212-16	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	180	11	ug/kg
LT-G-031-4-6-20140224	480-55212-16	ATRAZINE	3/4/2014		Yes	N	U		U	180	8.1	ug/kg
LT-G-031-4-6-20140224	480-55212-16	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.0	ug/kg

SDG: 480552121

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-031-4-6-20140224	480-55212-16	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-031-4-6-20140224	480-55212-16	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	3.5	ug/kg
LT-G-031-4-6-20140224	480-55212-16	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	180	4.4	ug/kg
LT-G-031-4-6-20140224	480-55212-16	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U		U	180	3.1	ug/kg
LT-G-031-4-6-20140224	480-55212-16	CARBAZOLE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-031-4-6-20140224	480-55212-16	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	180	9.9	ug/kg
LT-G-031-4-6-20140224	480-55212-16	NAPHTHALENE	3/4/2014		Yes	N	U		U	180	3.0	ug/kg
LT-G-031-4-6-20140224	480-55212-16	FLUORENE	3/4/2014		Yes	N	U		U	180	4.2	ug/kg
LT-G-031-4-6-20140224	480-55212-16	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	180	9.1	ug/kg
LT-G-031-4-6-20140224	480-55212-16	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	180	9.3	ug/kg
LT-G-031-4-6-20140224	480-55212-16	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	180	55	ug/kg
LT-G-031-4-6-20140224	480-55212-16	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	180	14	ug/kg
LT-G-031-4-6-20140224	480-55212-16	FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.6	ug/kg
LT-G-031-4-6-20140224	480-55212-16	ISOPHORONE	3/4/2014		Yes	N	U		U	180	9.1	ug/kg
LT-G-031-4-6-20140224	480-55212-16	PHENANTHRENE	3/4/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-031-4-6-20140224	480-55212-16	NITROBENZENE	3/4/2014		Yes	N	U		U	180	8.1	ug/kg
LT-G-031-4-6-20140224	480-55212-16	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U		U	180	14	ug/kg
LT-G-031-4-6-20140224	480-55212-16	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U		U	180	10	ug/kg
LT-G-031-4-6-20140224	480-55212-16	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		U	360	63	ug/kg
LT-G-031-4-6-20140224	480-55212-16	PHENOL	3/4/2014		Yes	N	U		U	180	19	ug/kg
LT-G-031-4-6-20140224	480-55212-16	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	180	5.6	ug/kg
LT-G-031-4-6-20140224	480-55212-16	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	180	5.0	ug/kg
LT-G-031-4-6-20140224	480-55212-16	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		U	180	12	ug/kg
LT-G-031-4-6-20140224	480-55212-16	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U		U	180	4.3	ug/kg
LT-G-031-4-6-20140224	480-55212-16	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg

SDG: 480552121

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-031-4-6-20140224	480-55212-16	2-CHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.3	ug/kg
LT-G-031-4-6-20140224	480-55212-16	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	45	ug/kg
LT-G-031-4-6-20140224	480-55212-16	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	28	ug/kg
LT-G-031-4-6-20140224	480-55212-16	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	360	64	ug/kg
LT-G-031-4-6-20140224	480-55212-16	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		U	180	49	ug/kg
LT-G-031-4-6-20140224	480-55212-16	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.6	ug/kg
LT-G-031-4-6-20140224	480-55212-16	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	40	ug/kg
LT-G-031-4-6-20140224	480-55212-16	DIBENZOFURAN	3/4/2014		Yes	N	U		U	180	1.9	ug/kg
LT-G-031-4-6-20140224	480-55212-16	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-031-4-6-20140224	480-55212-16	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	5.5	ug/kg
LT-G-031-4-6-20140224	480-55212-16	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	4.8	ug/kg
LT-G-031-4-6-20140224	480-55212-16	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	12	ug/kg
LT-G-031-4-6-20140224	480-55212-16	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	63	ug/kg
LT-G-031-6-8-20140224	480-55212-17	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		U	360	63	ug/kg
LT-G-031-6-8-20140224	480-55212-17	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	180	1.5	ug/kg
LT-G-031-6-8-20140224	480-55212-17	ACENAPHTHENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-031-6-8-20140224	480-55212-17	4-NITROPHENOL	3/4/2014		Yes	N	U		U	360	44	ug/kg
LT-G-031-6-8-20140224	480-55212-17	4-NITROANILINE	3/4/2014		Yes	N	U		U	360	20	ug/kg
LT-G-031-6-8-20140224	480-55212-17	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U		U	360	10	ug/kg
LT-G-031-6-8-20140224	480-55212-17	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	3.9	ug/kg
LT-G-031-6-8-20140224	480-55212-17	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	180	53	ug/kg
LT-G-031-6-8-20140224	480-55212-17	2-NITROPHENOL	3/4/2014		Yes	N	U		U	180	8.3	ug/kg
LT-G-031-6-8-20140224	480-55212-17	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	58	ug/kg
LT-G-031-6-8-20140224	480-55212-17	3-NITROANILINE	3/4/2014		Yes	N	U		U	360	42	ug/kg
LT-G-031-6-8-20140224	480-55212-17	3,3'-DICHLOROBENZIDINE	3/4/2014		Yes	N	U		U	180	160	ug/kg

SDG: 480552121

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-031-6-8-20140224	480-55212-17	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.0	ug/kg
LT-G-031-6-8-20140224	480-55212-17	2-NITROANILINE	3/4/2014		Yes	N	U		U	360	58	ug/kg
LT-G-031-6-8-20140224	480-55212-17	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U		U	180	7.5	ug/kg
LT-G-031-6-8-20140224	480-55212-17	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-031-6-8-20140224	480-55212-17	CAPROLACTAM	3/4/2014		Yes	N	U		U	180	79	ug/kg
LT-G-031-6-8-20140224	480-55212-17	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U		U	180	4.3	ug/kg
LT-G-031-6-8-20140224	480-55212-17	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	180	5.6	ug/kg
LT-G-031-6-8-20140224	480-55212-17	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		U	180	19	ug/kg
LT-G-031-6-8-20140224	480-55212-17	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	180	16	ug/kg
LT-G-031-6-8-20140224	480-55212-17	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	180	9.9	ug/kg
LT-G-031-6-8-20140224	480-55212-17	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	3.5	ug/kg
LT-G-031-6-8-20140224	480-55212-17	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	49	ug/kg
LT-G-031-6-8-20140224	480-55212-17	ACETOPHENONE	3/4/2014		Yes	N	U		U	180	9.3	ug/kg
LT-G-031-6-8-20140224	480-55212-17	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U		U	180	59	ug/kg
LT-G-031-6-8-20140224	480-55212-17	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	180	4.4	ug/kg
LT-G-031-6-8-20140224	480-55212-17	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U		U	180	3.1	ug/kg
LT-G-031-6-8-20140224	480-55212-17	BENZALDEHYDE	3/4/2014		Yes	N	U		U	180	20	ug/kg
LT-G-031-6-8-20140224	480-55212-17	ATRAZINE	3/4/2014		Yes	N	U		U	180	8.1	ug/kg
LT-G-031-6-8-20140224	480-55212-17	ANTHRACENE	3/4/2014		Yes	N	U		U	180	4.7	ug/kg
LT-G-031-6-8-20140224	480-55212-17	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	180	11	ug/kg
LT-G-031-6-8-20140224	480-55212-17	NITROBENZENE	3/4/2014		Yes	N	U		U	180	8.1	ug/kg
LT-G-031-6-8-20140224	480-55212-17	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	4.7	ug/kg
LT-G-031-6-8-20140224	480-55212-17	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	180	9.0	ug/kg
LT-G-031-6-8-20140224	480-55212-17	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	180	9.3	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-031-6-8-20140224	480-55212-17	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	180	55	ug/kg
LT-G-031-6-8-20140224	480-55212-17	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	180	14	ug/kg
LT-G-031-6-8-20140224	480-55212-17	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	180	5.0	ug/kg
LT-G-031-6-8-20140224	480-55212-17	FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.6	ug/kg
LT-G-031-6-8-20140224	480-55212-17	NAPHTHALENE	3/4/2014		Yes	N	U		U	180	3.0	ug/kg
LT-G-031-6-8-20140224	480-55212-17	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	63	ug/kg
LT-G-031-6-8-20140224	480-55212-17	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U		U	180	14	ug/kg
LT-G-031-6-8-20140224	480-55212-17	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U		U	180	9.9	ug/kg
LT-G-031-6-8-20140224	480-55212-17	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		U	360	62	ug/kg
LT-G-031-6-8-20140224	480-55212-17	PHENANTHRENE	3/4/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-031-6-8-20140224	480-55212-17	PYRENE	3/4/2014		Yes	N	U		U	180	1.2	ug/kg
LT-G-031-6-8-20140224	480-55212-17	CARBAZOLE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-031-6-8-20140224	480-55212-17	ISOPHORONE	3/4/2014		Yes	N	U		U	180	9.1	ug/kg
LT-G-031-6-8-20140224	480-55212-17	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	40	ug/kg
LT-G-031-6-8-20140224	480-55212-17	2-CHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.3	ug/kg
LT-G-031-6-8-20140224	480-55212-17	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		U	180	12	ug/kg
LT-G-031-6-8-20140224	480-55212-17	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	45	ug/kg
LT-G-031-6-8-20140224	480-55212-17	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	28	ug/kg
LT-G-031-6-8-20140224	480-55212-17	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	360	64	ug/kg
LT-G-031-6-8-20140224	480-55212-17	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		U	180	49	ug/kg
LT-G-031-6-8-20140224	480-55212-17	FLUORENE	3/4/2014		Yes	N	U		U	180	4.2	ug/kg
LT-G-031-6-8-20140224	480-55212-17	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	12	ug/kg
LT-G-031-6-8-20140224	480-55212-17	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-031-6-8-20140224	480-55212-17	CHRYSENE	3/4/2014		Yes	N	U		U	180	1.8	ug/kg
LT-G-031-6-8-20140224	480-55212-17	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-031-6-8-20140224	480-55212-17	DIBENZOFURAN	3/4/2014		Yes	N	U		U	180	1.9	ug/kg
LT-G-031-6-8-20140224	480-55212-17	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	5.5	ug/kg
LT-G-031-6-8-20140224	480-55212-17	PHENOL	3/4/2014		Yes	N	U		U	180	19	ug/kg
LT-G-031-6-8-20140224	480-55212-17	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.5	ug/kg
LT-G-032-0-2-20140224	480-55212-18	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		U	180	49	ug/kg
LT-G-032-0-2-20140224	480-55212-18	CAPROLACTAM	3/4/2014		Yes	N	U		U	180	79	ug/kg
LT-G-032-0-2-20140224	480-55212-18	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.0	ug/kg
LT-G-032-0-2-20140224	480-55212-18	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	4.8	ug/kg
LT-G-032-0-2-20140224	480-55212-18	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	5.5	ug/kg
LT-G-032-0-2-20140224	480-55212-18	DIBENZOFURAN	3/4/2014		Yes	N	U		U	180	1.9	ug/kg
LT-G-032-0-2-20140224	480-55212-18	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-032-0-2-20140224	480-55212-18	FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.7	ug/kg
LT-G-032-0-2-20140224	480-55212-18	CARBAZOLE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-032-0-2-20140224	480-55212-18	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	180	9.1	ug/kg
LT-G-032-0-2-20140224	480-55212-18	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U		U	180	59	ug/kg
LT-G-032-0-2-20140224	480-55212-18	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		U	180	19	ug/kg
LT-G-032-0-2-20140224	480-55212-18	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	180	16	ug/kg
LT-G-032-0-2-20140224	480-55212-18	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	180	10	ug/kg
LT-G-032-0-2-20140224	480-55212-18	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	180	11	ug/kg
LT-G-032-0-2-20140224	480-55212-18	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	49	ug/kg
LT-G-032-0-2-20140224	480-55212-18	CHRYSENE	3/4/2014		Yes	N	U		U	180	1.8	ug/kg
LT-G-032-0-2-20140224	480-55212-18	NITROBENZENE	3/4/2014		Yes	N	U		U	180	8.1	ug/kg
LT-G-032-0-2-20140224	480-55212-18	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	12	ug/kg
LT-G-032-0-2-20140224	480-55212-18	PYRENE	3/4/2014		Yes	N	U		U	180	1.2	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-032-0-2-20140224	480-55212-18	PHENOL	3/4/2014		Yes	N	U		U	180	19	ug/kg
LT-G-032-0-2-20140224	480-55212-18	PHENANTHRENE	3/4/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-032-0-2-20140224	480-55212-18	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		U	360	63	ug/kg
LT-G-032-0-2-20140224	480-55212-18	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	63	ug/kg
LT-G-032-0-2-20140224	480-55212-18	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U		U	180	14	ug/kg
LT-G-032-0-2-20140224	480-55212-18	DI-N-OCTYLPHTHALATE	3/4/2014		Yes	N	U		U	180	4.3	ug/kg
LT-G-032-0-2-20140224	480-55212-18	NAPHTHALENE	3/4/2014		Yes	N	U		U	180	3.0	ug/kg
LT-G-032-0-2-20140224	480-55212-18	ISOPHORONE	3/4/2014		Yes	N	U		U	180	9.1	ug/kg
LT-G-032-0-2-20140224	480-55212-18	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	180	5.1	ug/kg
LT-G-032-0-2-20140224	480-55212-18	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	180	14	ug/kg
LT-G-032-0-2-20140224	480-55212-18	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	180	55	ug/kg
LT-G-032-0-2-20140224	480-55212-18	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	180	9.4	ug/kg
LT-G-032-0-2-20140224	480-55212-18	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U		U	180	10	ug/kg
LT-G-032-0-2-20140224	480-55212-18	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		U	180	12	ug/kg
LT-G-032-0-2-20140224	480-55212-18	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		U	360	63	ug/kg
LT-G-032-0-2-20140224	480-55212-18	3-NITROANILINE	3/4/2014		Yes	N	U		U	360	42	ug/kg
LT-G-032-0-2-20140224	480-55212-18	3,3'-DICHLOOROBENZIDINE	3/4/2014		Yes	N	U		U	180	160	ug/kg
LT-G-032-0-2-20140224	480-55212-18	2-NITROPHENOL	3/4/2014		Yes	N	U		U	180	8.4	ug/kg
LT-G-032-0-2-20140224	480-55212-18	2-NITROANILINE	3/4/2014		Yes	N	U		U	360	59	ug/kg
LT-G-032-0-2-20140224	480-55212-18	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	180	5.6	ug/kg
LT-G-032-0-2-20140224	480-55212-18	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	58	ug/kg
LT-G-032-0-2-20140224	480-55212-18	2-CHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.3	ug/kg
LT-G-032-0-2-20140224	480-55212-18	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	40	ug/kg
LT-G-032-0-2-20140224	480-55212-18	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	45	ug/kg
LT-G-032-0-2-20140224	480-55212-18	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	28	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-032-0-2-20140224	480-55212-18	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	360	64	ug/kg
LT-G-032-0-2-20140224	480-55212-18	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-032-0-2-20140224	480-55212-18	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.6	ug/kg
LT-G-032-0-2-20140224	480-55212-18	FLUORENE	3/4/2014		Yes	N	U		U	180	4.2	ug/kg
LT-G-032-0-2-20140224	480-55212-18	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-032-0-2-20140224	480-55212-18	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U		U	180	3.2	ug/kg
LT-G-032-0-2-20140224	480-55212-18	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	180	4.4	ug/kg
LT-G-032-0-2-20140224	480-55212-18	BENZALDEHYDE	3/4/2014		Yes	N	U		U	180	20	ug/kg
LT-G-032-0-2-20140224	480-55212-18	ATRAZINE	3/4/2014		Yes	N	U		U	180	8.1	ug/kg
LT-G-032-0-2-20140224	480-55212-18	ANTHRACENE	3/4/2014		Yes	N	U		U	180	4.7	ug/kg
LT-G-032-0-2-20140224	480-55212-18	ACETOPHENONE	3/4/2014		Yes	N	U		U	180	9.4	ug/kg
LT-G-032-0-2-20140224	480-55212-18	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	180	1.5	ug/kg
LT-G-032-0-2-20140224	480-55212-18	ACENAPHTHENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-032-0-2-20140224	480-55212-18	4-NITROANILINE	3/4/2014		Yes	N	U		U	360	20	ug/kg
LT-G-032-0-2-20140224	480-55212-18	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U		U	360	10	ug/kg
LT-G-032-0-2-20140224	480-55212-18	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	3.9	ug/kg
LT-G-032-0-2-20140224	480-55212-18	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	180	54	ug/kg
LT-G-032-0-2-20140224	480-55212-18	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U		U	180	7.5	ug/kg
LT-G-032-0-2-20140224	480-55212-18	4-NITROPHENOL	3/4/2014		Yes	N	U		U	360	44	ug/kg
LT-G-032-0-2-20140224	480-55212-18	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	3.6	ug/kg
LT-G-032-4-6-20140224	480-55212-19	BIS(2-CHLOROETHOXY) METHANE	3/4/2014		Yes	N	U		U	180	10	ug/kg
LT-G-032-4-6-20140224	480-55212-19	DI-N-BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	63	ug/kg
LT-G-032-4-6-20140224	480-55212-19	DIMETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	4.8	ug/kg
LT-G-032-4-6-20140224	480-55212-19	DIETHYL PHTHALATE	3/4/2014		Yes	N	U		U	180	5.5	ug/kg
LT-G-032-4-6-20140224	480-55212-19	DIBENZOFURAN	3/4/2014		Yes	N	U		U	180	1.9	ug/kg

SDG: 480552121

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-032-4-6-20140224	480-55212-19	DIBENZ(A,H)ANTHRACENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-032-4-6-20140224	480-55212-19	CHRYSENE	3/4/2014		Yes	N	U		U	180	1.8	ug/kg
LT-G-032-4-6-20140224	480-55212-19	CARBAZOLE	3/4/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-032-4-6-20140224	480-55212-19	CAPROLACTAM	3/4/2014		Yes	N	U		U	180	79	ug/kg
LT-G-032-4-6-20140224	480-55212-19	BIS(2-ETHYLHEXYL) PHTHALATE	3/4/2014		Yes	N	U		U	180	59	ug/kg
LT-G-032-4-6-20140224	480-55212-19	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/4/2014		Yes	N	U		U	180	16	ug/kg
LT-G-032-4-6-20140224	480-55212-19	BIPHENYL (DIPHENYL)	3/4/2014		Yes	N	U		U	180	11	ug/kg
LT-G-032-4-6-20140224	480-55212-19	DI-N-OCTYLPHthalate	3/4/2014		Yes	N	U		U	180	4.3	ug/kg
LT-G-032-4-6-20140224	480-55212-19	NAPHTHALENE	3/4/2014		Yes	N	U		U	180	3.1	ug/kg
LT-G-032-4-6-20140224	480-55212-19	BENZYL BUTYL PHTHALATE	3/4/2014		Yes	N	U		U	180	49	ug/kg
LT-G-032-4-6-20140224	480-55212-19	BIS(2-CHLOROISOPROPYL) ETHER	3/4/2014		Yes	N	U		U	180	19	ug/kg
LT-G-032-4-6-20140224	480-55212-19	ISOPHORONE	3/4/2014		Yes	N	U		U	180	9.2	ug/kg
LT-G-032-4-6-20140224	480-55212-19	4-BROMOPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	58	ug/kg
LT-G-032-4-6-20140224	480-55212-19	PHENOL	3/4/2014		Yes	N	U		U	180	19	ug/kg
LT-G-032-4-6-20140224	480-55212-19	PHENANTHRENE	3/4/2014		Yes	N	U		U	180	3.9	ug/kg
LT-G-032-4-6-20140224	480-55212-19	PENTACHLOROPHENOL	3/4/2014		Yes	N	U		U	360	63	ug/kg
LT-G-032-4-6-20140224	480-55212-19	N-NITROSODIPHENYLAMINE	3/4/2014		Yes	N	U		U	180	10	ug/kg
LT-G-032-4-6-20140224	480-55212-19	N-NITROSODI-N-PROPYLAMINE	3/4/2014		Yes	N	U		U	180	15	ug/kg
LT-G-032-4-6-20140224	480-55212-19	INDENO(1,2,3-C,D)PYRENE	3/4/2014		Yes	N	U		U	180	5.1	ug/kg
LT-G-032-4-6-20140224	480-55212-19	BENZO(K)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.0	ug/kg
LT-G-032-4-6-20140224	480-55212-19	FLUORANTHENE	3/4/2014		Yes	N	U		U	180	2.7	ug/kg
LT-G-032-4-6-20140224	480-55212-19	PYRENE	3/4/2014		Yes	N	U		U	180	1.2	ug/kg
LT-G-032-4-6-20140224	480-55212-19	HEXACHLOROETHANE	3/4/2014		Yes	N	U		U	180	14	ug/kg
LT-G-032-4-6-20140224	480-55212-19	HEXACHLOROCYCLOPENTADIENE	3/4/2014		Yes	N	U		U	180	56	ug/kg

SDG: 480552121

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-032-4-6-20140224	480-55212-19	HEXACHLOROBUTADIENE	3/4/2014		Yes	N	U		U	180	9.4	ug/kg
LT-G-032-4-6-20140224	480-55212-19	HEXACHLOROBENZENE	3/4/2014		Yes	N	U		U	180	9.1	ug/kg
LT-G-032-4-6-20140224	480-55212-19	FLUORENE	3/4/2014		Yes	N	U		U	180	4.2	ug/kg
LT-G-032-4-6-20140224	480-55212-19	NITROBENZENE	3/4/2014		Yes	N	U		U	180	8.1	ug/kg
LT-G-032-4-6-20140224	480-55212-19	2,4-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	28	ug/kg
LT-G-032-4-6-20140224	480-55212-19	3,3'-DICHLOOROBENZIDINE	3/4/2014		Yes	N	U		U	180	160	ug/kg
LT-G-032-4-6-20140224	480-55212-19	2-NITROPHENOL	3/4/2014		Yes	N	U		U	180	8.4	ug/kg
LT-G-032-4-6-20140224	480-55212-19	2-NITROANILINE	3/4/2014		Yes	N	U		U	360	59	ug/kg
LT-G-032-4-6-20140224	480-55212-19	2-METHYLPHENOL (O-CRESOL)	3/4/2014		Yes	N	U		U	180	5.6	ug/kg
LT-G-032-4-6-20140224	480-55212-19	2-METHYLNAPHTHALENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-032-4-6-20140224	480-55212-19	2-CHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.3	ug/kg
LT-G-032-4-6-20140224	480-55212-19	3-NITROANILINE	3/4/2014		Yes	N	U		U	360	42	ug/kg
LT-G-032-4-6-20140224	480-55212-19	2,6-DINITROTOLUENE	3/4/2014		Yes	N	U		U	180	45	ug/kg
LT-G-032-4-6-20140224	480-55212-19	2,4,6-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	12	ug/kg
LT-G-032-4-6-20140224	480-55212-19	2,4-DINITROPHENOL	3/4/2014		Yes	N	U		U	360	64	ug/kg
LT-G-032-4-6-20140224	480-55212-19	2,4-DIMETHYLPHENOL	3/4/2014		Yes	N	U		U	180	50	ug/kg
LT-G-032-4-6-20140224	480-55212-19	2,4-DICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	9.6	ug/kg
LT-G-032-4-6-20140224	480-55212-19	BENZO(G,H,I)PERYLENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-032-4-6-20140224	480-55212-19	2,4,5-TRICHLOROPHENOL	3/4/2014		Yes	N	U		U	180	40	ug/kg
LT-G-032-4-6-20140224	480-55212-19	4-CHLOROANILINE	3/4/2014		Yes	N	U		U	180	54	ug/kg
LT-G-032-4-6-20140224	480-55212-19	2-CHLORONAPHTHALENE	3/4/2014		Yes	N	U		U	180	12	ug/kg
LT-G-032-4-6-20140224	480-55212-19	BENZO(A)ANTHRACENE	3/4/2014		Yes	N	U		U	180	3.2	ug/kg
LT-G-032-4-6-20140224	480-55212-19	4,6-DINITRO-2-METHYLPHENOL	3/4/2014		Yes	N	U		U	360	63	ug/kg
LT-G-032-4-6-20140224	480-55212-19	BENZO(A)PYRENE	3/4/2014		Yes	N	U		U	180	4.4	ug/kg
LT-G-032-4-6-20140224	480-55212-19	BENZALDEHYDE	3/4/2014		Yes	N	U		U	180	20	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-032-4-6-20140224	480-55212-19	ATRAZINE	3/4/2014		Yes	N	U		U	180	8.2	ug/kg
LT-G-032-4-6-20140224	480-55212-19	ANTHRACENE	3/4/2014		Yes	N	U		U	180	4.7	ug/kg
LT-G-032-4-6-20140224	480-55212-19	ACETOPHENONE	3/4/2014		Yes	N	U		U	180	9.4	ug/kg
LT-G-032-4-6-20140224	480-55212-19	ACENAPHTHYLENE	3/4/2014		Yes	N	U		U	180	1.5	ug/kg
LT-G-032-4-6-20140224	480-55212-19	4-NITROPHENOL	3/4/2014		Yes	N	U		U	360	45	ug/kg
LT-G-032-4-6-20140224	480-55212-19	4-NITROANILINE	3/4/2014		Yes	N	U		U	360	21	ug/kg
LT-G-032-4-6-20140224	480-55212-19	4-METHYLPHENOL (P-CRESOL)	3/4/2014		Yes	N	U		U	360	10	ug/kg
LT-G-032-4-6-20140224	480-55212-19	4-CHLOROPHENYL PHENYL ETHER	3/4/2014		Yes	N	U		U	180	3.9	ug/kg
LT-G-032-4-6-20140224	480-55212-19	4-CHLORO-3-METHYLPHENOL	3/4/2014		Yes	N	U		U	180	7.6	ug/kg
LT-G-032-4-6-20140224	480-55212-19	ACENAPHTHENE	3/4/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-032-4-6-20140224	480-55212-19	BENZO(B)FLUORANTHENE	3/4/2014		Yes	N	U		U	180	3.6	ug/kg
LT-G-032-6-8-20140224	480-55212-20	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3/6/2014		Yes	N	U		U	180	16	ug/kg
LT-G-032-6-8-20140224	480-55212-20	DI-N-BUTYL PHTHALATE	3/6/2014		Yes	N	U		U	180	62	ug/kg
LT-G-032-6-8-20140224	480-55212-20	DIMETHYL PHTHALATE	3/6/2014		Yes	N	U		U	180	4.7	ug/kg
LT-G-032-6-8-20140224	480-55212-20	DIETHYL PHTHALATE	3/6/2014		Yes	N	U		U	180	5.4	ug/kg
LT-G-032-6-8-20140224	480-55212-20	DIBENZOFURAN	3/6/2014		Yes	N	U		U	180	1.9	ug/kg
LT-G-032-6-8-20140224	480-55212-20	DIBENZ(A,H)ANTHRACENE	3/6/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-032-6-8-20140224	480-55212-20	CHRYSENE	3/6/2014		Yes	N	U		U	180	1.8	ug/kg
LT-G-032-6-8-20140224	480-55212-20	BENZYL BUTYL PHTHALATE	3/6/2014		Yes	N	U		U	180	48	ug/kg
LT-G-032-6-8-20140224	480-55212-20	CARBAZOLE	3/6/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-032-6-8-20140224	480-55212-20	CAPROLACTAM	3/6/2014		Yes	N	U		U	180	78	ug/kg
LT-G-032-6-8-20140224	480-55212-20	BIS(2-CHLOROISOPROPYL) ETHER	3/6/2014		Yes	N	U		U	180	19	ug/kg
LT-G-032-6-8-20140224	480-55212-20	BIS(2-CHLOROETHOXY) METHANE	3/6/2014		Yes	N	U		U	180	9.8	ug/kg
LT-G-032-6-8-20140224	480-55212-20	DI-N-OCTYLPHTHALATE	3/6/2014		Yes	N	U		U	180	4.2	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-032-6-8-20140224	480-55212-20	NAPHTHALENE	3/6/2014		Yes	N	U		U	180	3.0	ug/kg
LT-G-032-6-8-20140224	480-55212-20	BIPHENYL (DIPHENYL)	3/6/2014		Yes	N	U		U	180	11	ug/kg
LT-G-032-6-8-20140224	480-55212-20	BIS(2-ETHYLHEXYL) PHTHALATE	3/6/2014		Yes	N	U		U	180	58	ug/kg
LT-G-032-6-8-20140224	480-55212-20	ISOPHORONE	3/6/2014		Yes	N	U		U	180	9.0	ug/kg
LT-G-032-6-8-20140224	480-55212-20	4,6-DINITRO-2-METHYLPHENOL	3/6/2014		Yes	N	U		U	350	62	ug/kg
LT-G-032-6-8-20140224	480-55212-20	BENZO(K)FLUORANTHENE	3/6/2014		Yes	N	U		U	180	2.0	ug/kg
LT-G-032-6-8-20140224	480-55212-20	PHENOL	3/6/2014		Yes	N	U		U	180	19	ug/kg
LT-G-032-6-8-20140224	480-55212-20	PHENANTHRENE	3/6/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-032-6-8-20140224	480-55212-20	PENTACHLOROPHENOL	3/6/2014		Yes	N	U		U	350	62	ug/kg
LT-G-032-6-8-20140224	480-55212-20	N-NITROSODIPHENYLAMINE	3/6/2014		Yes	N	U		U	180	9.9	ug/kg
LT-G-032-6-8-20140224	480-55212-20	INDENO(1,2,3-C,D)PYRENE	3/6/2014		Yes	N	U		U	180	5.0	ug/kg
LT-G-032-6-8-20140224	480-55212-20	NITROBENZENE	3/6/2014		Yes	N	U		U	180	8.0	ug/kg
LT-G-032-6-8-20140224	480-55212-20	FLUORANTHENE	3/6/2014		Yes	N	U		U	180	2.6	ug/kg
LT-G-032-6-8-20140224	480-55212-20	PYRENE	3/6/2014		Yes	N	U		U	180	1.2	ug/kg
LT-G-032-6-8-20140224	480-55212-20	HEXACHLOROETHANE	3/6/2014		Yes	N	U		U	180	14	ug/kg
LT-G-032-6-8-20140224	480-55212-20	HEXACHLOROCYCLOPENTADIENE	3/6/2014		Yes	N	U		U	180	54	ug/kg
LT-G-032-6-8-20140224	480-55212-20	HEXACHLOROBUTADIENE	3/6/2014		Yes	N	U		U	180	9.2	ug/kg
LT-G-032-6-8-20140224	480-55212-20	HEXACHLOROBENZENE	3/6/2014		Yes	N	U		U	180	9.0	ug/kg
LT-G-032-6-8-20140224	480-55212-20	FLUORENE	3/6/2014		Yes	N	U		U	180	4.2	ug/kg
LT-G-032-6-8-20140224	480-55212-20	N-NITROSODI-N-PROPYLAMINE	3/6/2014		Yes	N	U		U	180	14	ug/kg
LT-G-032-6-8-20140224	480-55212-20	2-CHLORONAPHTHALENE	3/6/2014		Yes	N	U		U	180	12	ug/kg
LT-G-032-6-8-20140224	480-55212-20	4-CHLORO-3-METHYLPHENOL	3/6/2014		Yes	N	U		U	180	7.4	ug/kg
LT-G-032-6-8-20140224	480-55212-20	3-NITROANILINE	3/6/2014		Yes	N	U		U	350	41	ug/kg
LT-G-032-6-8-20140224	480-55212-20	3,3'-DICHLOROBENZIDINE	3/6/2014		Yes	N	U		U	180	160	ug/kg
LT-G-032-6-8-20140224	480-55212-20	2-NITROPHENOL	3/6/2014		Yes	N	U		U	180	8.2	ug/kg

SDG: 480552121

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-032-6-8-20140224	480-55212-20	2-NITROANILINE	3/6/2014		Yes	N	U		U	350	58	ug/kg
LT-G-032-6-8-20140224	480-55212-20	4-BROMOPHENYL PHENYL ETHER	3/6/2014		Yes	N	U		U	180	57	ug/kg
LT-G-032-6-8-20140224	480-55212-20	2-METHYLNAPHTHALENE	3/6/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-032-6-8-20140224	480-55212-20	2-METHYLPHENOL (O-CRESOL)	3/6/2014		Yes	N	U		U	180	5.5	ug/kg
LT-G-032-6-8-20140224	480-55212-20	2,6-DINITROTOLUENE	3/6/2014		Yes	N	U		U	180	44	ug/kg
LT-G-032-6-8-20140224	480-55212-20	2,4-DINITROTOLUENE	3/6/2014		Yes	N	U		U	180	28	ug/kg
LT-G-032-6-8-20140224	480-55212-20	2,4-DINITROPHENOL	3/6/2014		Yes	N	U		U	350	63	ug/kg
LT-G-032-6-8-20140224	480-55212-20	2,4-DIMETHYLPHENOL	3/6/2014		Yes	N	U		U	180	49	ug/kg
LT-G-032-6-8-20140224	480-55212-20	2,4-DICHLOROPHENOL	3/6/2014		Yes	N	U		U	180	9.4	ug/kg
LT-G-032-6-8-20140224	480-55212-20	BENZO(G,H,I)PERYLENE	3/6/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-032-6-8-20140224	480-55212-20	2,4,6-TRICHLOROPHENOL	3/6/2014		Yes	N	U		U	180	12	ug/kg
LT-G-032-6-8-20140224	480-55212-20	ANTHRACENE	3/6/2014		Yes	N	U		U	180	4.6	ug/kg
LT-G-032-6-8-20140224	480-55212-20	BENZO(B)FLUORANTHENE	3/6/2014		Yes	N	U		U	180	3.5	ug/kg
LT-G-032-6-8-20140224	480-55212-20	2-CHLOROPHENOL	3/6/2014		Yes	N	U		U	180	9.2	ug/kg
LT-G-032-6-8-20140224	480-55212-20	2,4,5-TRICHLOROPHENOL	3/6/2014		Yes	N	U		U	180	39	ug/kg
LT-G-032-6-8-20140224	480-55212-20	BENZO(A)ANTHRACENE	3/6/2014		Yes	N	U		U	180	3.1	ug/kg
LT-G-032-6-8-20140224	480-55212-20	ATRAZINE	3/6/2014		Yes	N	U		U	180	8.0	ug/kg
LT-G-032-6-8-20140224	480-55212-20	BENZO(A)PYRENE	3/6/2014		Yes	N	U		U	180	4.3	ug/kg
LT-G-032-6-8-20140224	480-55212-20	ACETOPHENONE	3/6/2014		Yes	N	U		U	180	9.2	ug/kg
LT-G-032-6-8-20140224	480-55212-20	ACENAPHTHYLENE	3/6/2014		Yes	N	U		U	180	1.5	ug/kg
LT-G-032-6-8-20140224	480-55212-20	ACENAPHTHENE	3/6/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-032-6-8-20140224	480-55212-20	4-NITROPHENOL	3/6/2014		Yes	N	U		U	350	44	ug/kg
LT-G-032-6-8-20140224	480-55212-20	4-NITROANILINE	3/6/2014		Yes	N	U		U	350	20	ug/kg
LT-G-032-6-8-20140224	480-55212-20	4-METHYLPHENOL (P-CRESOL)	3/6/2014		Yes	N	U		U	350	10	ug/kg
LT-G-032-6-8-20140224	480-55212-20	4-CHLOROPHENYL PHENYL ETHER	3/6/2014		Yes	N	U		U	180	3.8	ug/kg

SDG: 480552121

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-032-6-8-20140224	480-55212-20	4-CHLOROANILINE	3/6/2014		Yes	N	U		U	180	53	ug/kg
LT-G-032-6-8-20140224	480-55212-20	BENZALDEHYDE	3/6/2014		Yes	N	U		U	180	20	ug/kg
LT-G-033-0-2-20140224	480-55212-21	DI-N-BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	190	65	ug/kg
LT-G-033-0-2-20140224	480-55212-21	CARBAZOLE	2/28/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-033-0-2-20140224	480-55212-21	DIMETHYL PHTHALATE	2/28/2014		Yes	N	U		U	190	4.9	ug/kg
LT-G-033-0-2-20140224	480-55212-21	DIETHYL PHTHALATE	2/28/2014		Yes	N	U		U	190	5.6	ug/kg
LT-G-033-0-2-20140224	480-55212-21	DIBENZOFURAN	2/28/2014		Yes	N	U		U	190	1.9	ug/kg
LT-G-033-0-2-20140224	480-55212-21	DIBENZ(A,H)ANTHRACENE	2/28/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-033-0-2-20140224	480-55212-21	CHRYSENE	2/28/2014		Yes	N	U		U	190	1.9	ug/kg
LT-G-033-0-2-20140224	480-55212-21	CAPROLACTAM	2/28/2014		Yes	N	U		U	190	81	ug/kg
LT-G-033-0-2-20140224	480-55212-21	BIS(2-ETHYLHEXYL) PHTHALATE	2/28/2014		Yes	N	U		U	190	60	ug/kg
LT-G-033-0-2-20140224	480-55212-21	BIS(2-CHLOROISOPROPYL) ETHER	2/28/2014		Yes	N	U		U	190	20	ug/kg
LT-G-033-0-2-20140224	480-55212-21	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/28/2014		Yes	N	U		U	190	16	ug/kg
LT-G-033-0-2-20140224	480-55212-21	BIS(2-CHLOROETHOXY) METHANE	2/28/2014		Yes	N	U		U	190	10	ug/kg
LT-G-033-0-2-20140224	480-55212-21	BENZYL BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	190	50	ug/kg
LT-G-033-0-2-20140224	480-55212-21	DI-N-OCTYLPHTHALATE	2/28/2014		Yes	N	U		U	190	4.4	ug/kg
LT-G-033-0-2-20140224	480-55212-21	BIPHENYL (DIPHENYL)	2/28/2014		Yes	N	U		U	190	12	ug/kg
LT-G-033-0-2-20140224	480-55212-21	ISOPHORONE	2/28/2014		Yes	N	U		U	190	9.3	ug/kg
LT-G-033-0-2-20140224	480-55212-21	PYRENE	2/28/2014		Yes	N	U		U	190	1.2	ug/kg
LT-G-033-0-2-20140224	480-55212-21	BENZO(B)FLUORANTHENE	2/28/2014		Yes	N	U		U	190	3.6	ug/kg
LT-G-033-0-2-20140224	480-55212-21	PHENOL	2/28/2014		Yes	N	U		U	190	20	ug/kg
LT-G-033-0-2-20140224	480-55212-21	PENTACHLOROPHENOL	2/28/2014		Yes	N	U		U	360	64	ug/kg
LT-G-033-0-2-20140224	480-55212-21	N-NITROSODIPHENYLAMINE	2/28/2014		Yes	N	U		U	190	10	ug/kg
LT-G-033-0-2-20140224	480-55212-21	N-NITROSODI-N-PROPYLAMINE	2/28/2014		Yes	N	U		U	190	15	ug/kg

SDG: 480552121

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-033-0-2-20140224	480-55212-21	PHENANTHRENE	2/28/2014		Yes	N	U		U	190	3.9	ug/kg
LT-G-033-0-2-20140224	480-55212-21	NAPHTHALENE	2/28/2014		Yes	N	U		U	190	3.1	ug/kg
LT-G-033-0-2-20140224	480-55212-21	FLUORANTHENE	2/28/2014		Yes	N	U		U	190	2.7	ug/kg
LT-G-033-0-2-20140224	480-55212-21	INDENO(1,2,3-C,D)PYRENE	2/28/2014		Yes	N	U		U	190	5.2	ug/kg
LT-G-033-0-2-20140224	480-55212-21	HEXACHLOROETHANE	2/28/2014		Yes	N	U		U	190	14	ug/kg
LT-G-033-0-2-20140224	480-55212-21	HEXACHLOROCYCLOPENTADIENE	2/28/2014		Yes	N	U		U	190	56	ug/kg
LT-G-033-0-2-20140224	480-55212-21	HEXACHLOROBUTADIENE	2/28/2014		Yes	N	U		U	190	9.5	ug/kg
LT-G-033-0-2-20140224	480-55212-21	HEXACHLOROBENZENE	2/28/2014		Yes	N	U		U	190	9.3	ug/kg
LT-G-033-0-2-20140224	480-55212-21	FLUORENE	2/28/2014		Yes	N	U		U	190	4.3	ug/kg
LT-G-033-0-2-20140224	480-55212-21	NITROBENZENE	2/28/2014		Yes	N	U		U	190	8.3	ug/kg
LT-G-033-0-2-20140224	480-55212-21	2,4-DINITROTOLUENE	2/28/2014		Yes	N	U		U	190	29	ug/kg
LT-G-033-0-2-20140224	480-55212-21	3,3'-DICHLOROBENZIDINE	2/28/2014		Yes	N	U		U	190	160	ug/kg
LT-G-033-0-2-20140224	480-55212-21	2-NITROPHENOL	2/28/2014		Yes	N	U		U	190	8.5	ug/kg
LT-G-033-0-2-20140224	480-55212-21	2-NITROANILINE	2/28/2014		Yes	N	U		U	360	60	ug/kg
LT-G-033-0-2-20140224	480-55212-21	2-METHYLPHENOL (O-CRESOL)	2/28/2014		Yes	N	U		U	190	5.7	ug/kg
LT-G-033-0-2-20140224	480-55212-21	2-METHYLNAPHTHALENE	2/28/2014		Yes	N	U		U	190	2.3	ug/kg
LT-G-033-0-2-20140224	480-55212-21	3-NITROANILINE	2/28/2014		Yes	N	U		U	360	43	ug/kg
LT-G-033-0-2-20140224	480-55212-21	2-CHLORONAPHTHALENE	2/28/2014		Yes	N	U		U	190	13	ug/kg
LT-G-033-0-2-20140224	480-55212-21	2-CHLOROPHENOL	2/28/2014		Yes	N	U		U	190	9.5	ug/kg
LT-G-033-0-2-20140224	480-55212-21	2,4-DINITROPHENOL	2/28/2014		Yes	N	U		U	360	65	ug/kg
LT-G-033-0-2-20140224	480-55212-21	2,4-DIMETHYLPHENOL	2/28/2014		Yes	N	U		U	190	50	ug/kg
LT-G-033-0-2-20140224	480-55212-21	2,4-DICHLOROPHENOL	2/28/2014		Yes	N	U		U	190	9.8	ug/kg
LT-G-033-0-2-20140224	480-55212-21	2,4,6-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	190	12	ug/kg
LT-G-033-0-2-20140224	480-55212-21	BENZO(G,H,I)PERYLENE	2/28/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-033-0-2-20140224	480-55212-21	BENZO(K)FLUORANTHENE	2/28/2014		Yes	N	U		U	190	2.1	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-033-0-2-20140224	480-55212-21	2,4,5-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	190	41	ug/kg
LT-G-033-0-2-20140224	480-55212-21	BENZO(A)ANTHRACENE	2/28/2014		Yes	N	U		U	190	3.2	ug/kg
LT-G-033-0-2-20140224	480-55212-21	2,6-DINITROTOLUENE	2/28/2014		Yes	N	U		U	190	46	ug/kg
LT-G-033-0-2-20140224	480-55212-21	BENZO(A)PYRENE	2/28/2014		Yes	N	U		U	190	4.5	ug/kg
LT-G-033-0-2-20140224	480-55212-21	4,6-DINITRO-2-METHYLPHENOL	2/28/2014		Yes	N	U		U	360	64	ug/kg
LT-G-033-0-2-20140224	480-55212-21	BENZALDEHYDE	2/28/2014		Yes	N	U		U	190	20	ug/kg
LT-G-033-0-2-20140224	480-55212-21	ATRAZINE	2/28/2014		Yes	N	U		U	190	8.3	ug/kg
LT-G-033-0-2-20140224	480-55212-21	ANTHRACENE	2/28/2014		Yes	N	U		U	190	4.8	ug/kg
LT-G-033-0-2-20140224	480-55212-21	ACETOPHENONE	2/28/2014		Yes	N	U		U	190	9.6	ug/kg
LT-G-033-0-2-20140224	480-55212-21	ACENAPHTHYLENE	2/28/2014		Yes	N	U		U	190	1.5	ug/kg
LT-G-033-0-2-20140224	480-55212-21	ACENAPHTHENE	2/28/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-033-0-2-20140224	480-55212-21	4-NITROPHENOL	2/28/2014		Yes	N	U		U	360	45	ug/kg
LT-G-033-0-2-20140224	480-55212-21	4-NITROANILINE	2/28/2014		Yes	N	U		U	360	21	ug/kg
LT-G-033-0-2-20140224	480-55212-21	4-METHYLPHENOL (P-CRESOL)	2/28/2014		Yes	N	U		U	360	10	ug/kg
LT-G-033-0-2-20140224	480-55212-21	4-CHLOROPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	190	4.0	ug/kg
LT-G-033-0-2-20140224	480-55212-21	4-CHLOROANILINE	2/28/2014		Yes	N	U		U	190	55	ug/kg
LT-G-033-0-2-20140224	480-55212-21	4-CHLORO-3-METHYLPHENOL	2/28/2014		Yes	N	U		U	190	7.7	ug/kg
LT-G-033-0-2-20140224	480-55212-21	4-BROMOPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	190	59	ug/kg
LT-G-033-2-4-20140224	480-55212-22	BIPHENYL (DIPHENYL)	2/28/2014		Yes	N	U		U	180	11	ug/kg
LT-G-033-2-4-20140224	480-55212-22	DIMETHYL PHTHALATE	2/28/2014		Yes	N	U		U	180	4.7	ug/kg
LT-G-033-2-4-20140224	480-55212-22	DIETHYL PHTHALATE	2/28/2014		Yes	N	U		U	180	5.5	ug/kg
LT-G-033-2-4-20140224	480-55212-22	BENZO(G,H,I)PERYLENE	2/28/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-033-2-4-20140224	480-55212-22	DIBENZ(A,H)ANTHRACENE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-033-2-4-20140224	480-55212-22	PYRENE	2/28/2014		Yes	N	U		U	180	1.2	ug/kg
LT-G-033-2-4-20140224	480-55212-22	CARBAZOLE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg

SDG: 480552121

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-033-2-4-20140224	480-55212-22	CAPROLACTAM	2/28/2014		Yes	N	U		U	180	78	ug/kg
LT-G-033-2-4-20140224	480-55212-22	BIS(2-ETHYLHEXYL) PHTHALATE	2/28/2014		Yes	N	U		U	180	58	ug/kg
LT-G-033-2-4-20140224	480-55212-22	BIS(2-CHLOROISOPROPYL) ETHER	2/28/2014		Yes	N	U		U	180	19	ug/kg
LT-G-033-2-4-20140224	480-55212-22	BENZO(K)FLUORANTHENE	2/28/2014		Yes	N	U		U	180	2.0	ug/kg
LT-G-033-2-4-20140224	480-55212-22	BIS(2-CHLOROETHOXY) METHANE	2/28/2014		Yes	N	U		U	180	9.8	ug/kg
LT-G-033-2-4-20140224	480-55212-22	DI-N-BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	180	62	ug/kg
LT-G-033-2-4-20140224	480-55212-22	BENZYL BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	180	49	ug/kg
LT-G-033-2-4-20140224	480-55212-22	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/28/2014		Yes	N	U		U	180	16	ug/kg
LT-G-033-2-4-20140224	480-55212-22	INDENO(1,2,3-C,D)PYRENE	2/28/2014		Yes	N	U		U	180	5.0	ug/kg
LT-G-033-2-4-20140224	480-55212-22	CHRYSENE	2/28/2014		Yes	N	U		U	180	1.8	ug/kg
LT-G-033-2-4-20140224	480-55212-22	PHENANTHRENE	2/28/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-033-2-4-20140224	480-55212-22	PENTACHLOROPHENOL	2/28/2014		Yes	N	U		U	350	62	ug/kg
LT-G-033-2-4-20140224	480-55212-22	N-NITROSODIPHENYLAMINE	2/28/2014		Yes	N	U		U	180	9.9	ug/kg
LT-G-033-2-4-20140224	480-55212-22	N-NITROSODI-N-PROPYLAMINE	2/28/2014		Yes	N	U		U	180	14	ug/kg
LT-G-033-2-4-20140224	480-55212-22	NITROBENZENE	2/28/2014		Yes	N	U		U	180	8.0	ug/kg
LT-G-033-2-4-20140224	480-55212-22	PHENOL	2/28/2014		Yes	N	U		U	180	19	ug/kg
LT-G-033-2-4-20140224	480-55212-22	ISOPHORONE	2/28/2014		Yes	N	U		U	180	9.0	ug/kg
LT-G-033-2-4-20140224	480-55212-22	DI-N-OCTYLPHTHALATE	2/28/2014		Yes	N	U		U	180	4.2	ug/kg
LT-G-033-2-4-20140224	480-55212-22	HEXACHLOROETHANE	2/28/2014		Yes	N	U		U	180	14	ug/kg
LT-G-033-2-4-20140224	480-55212-22	HEXACHLOROCYCLOPENTADIENE	2/28/2014		Yes	N	U		U	180	55	ug/kg
LT-G-033-2-4-20140224	480-55212-22	HEXACHLOROBUTADIENE	2/28/2014		Yes	N	U		U	180	9.2	ug/kg
LT-G-033-2-4-20140224	480-55212-22	HEXACHLOROBENZENE	2/28/2014		Yes	N	U		U	180	9.0	ug/kg
LT-G-033-2-4-20140224	480-55212-22	FLUORENE	2/28/2014		Yes	N	U		U	180	4.2	ug/kg
LT-G-033-2-4-20140224	480-55212-22	FLUORANTHENE	2/28/2014		Yes	N	U		U	180	2.6	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-033-2-4-20140224	480-55212-22	NAPHTHALENE	2/28/2014		Yes	N	U		U	180	3.0	ug/kg
LT-G-033-2-4-20140224	480-55212-22	2,6-DINITROTOLUENE	2/28/2014		Yes	N	U		U	180	44	ug/kg
LT-G-033-2-4-20140224	480-55212-22	3,3'-DICHLOOROBENZIDINE	2/28/2014		Yes	N	U		U	180	160	ug/kg
LT-G-033-2-4-20140224	480-55212-22	2-NITROPHENOL	2/28/2014		Yes	N	U		U	180	8.3	ug/kg
LT-G-033-2-4-20140224	480-55212-22	2-NITROANILINE	2/28/2014		Yes	N	U		U	350	58	ug/kg
LT-G-033-2-4-20140224	480-55212-22	2-METHYLPHENOL (O-CRESOL)	2/28/2014		Yes	N	U		U	180	5.6	ug/kg
LT-G-033-2-4-20140224	480-55212-22	2-METHYLNAPHTHALENE	2/28/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-033-2-4-20140224	480-55212-22	3-NITROANILINE	2/28/2014		Yes	N	U		U	350	42	ug/kg
LT-G-033-2-4-20140224	480-55212-22	2-CHLORONAPHTHALENE	2/28/2014		Yes	N	U		U	180	12	ug/kg
LT-G-033-2-4-20140224	480-55212-22	2,4,5-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	180	39	ug/kg
LT-G-033-2-4-20140224	480-55212-22	2,4-DINITROTOLUENE	2/28/2014		Yes	N	U		U	180	28	ug/kg
LT-G-033-2-4-20140224	480-55212-22	2,4-DINITROPHENOL	2/28/2014		Yes	N	U		U	350	63	ug/kg
LT-G-033-2-4-20140224	480-55212-22	2,4-DIMETHYLPHENOL	2/28/2014		Yes	N	U		U	180	49	ug/kg
LT-G-033-2-4-20140224	480-55212-22	2,4-DICHLOROPHENOL	2/28/2014		Yes	N	U		U	180	9.5	ug/kg
LT-G-033-2-4-20140224	480-55212-22	2,4,6-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	180	12	ug/kg
LT-G-033-2-4-20140224	480-55212-22	BENZO(B)FLUORANTHENE	2/28/2014		Yes	N	U		U	180	3.5	ug/kg
LT-G-033-2-4-20140224	480-55212-22	2-CHLOROPHENOL	2/28/2014		Yes	N	U		U	180	9.2	ug/kg
LT-G-033-2-4-20140224	480-55212-22	ANTHRACENE	2/28/2014		Yes	N	U		U	180	4.6	ug/kg
LT-G-033-2-4-20140224	480-55212-22	DIBENZOFURAN	2/28/2014		Yes	N	U		U	180	1.9	ug/kg
LT-G-033-2-4-20140224	480-55212-22	BENZO(A)ANTHRACENE	2/28/2014		Yes	N	U		U	180	3.1	ug/kg
LT-G-033-2-4-20140224	480-55212-22	4,6-DINITRO-2-METHYLPHENOL	2/28/2014		Yes	N	U		U	350	62	ug/kg
LT-G-033-2-4-20140224	480-55212-22	ATRAZINE	2/28/2014		Yes	N	U		U	180	8.0	ug/kg
LT-G-033-2-4-20140224	480-55212-22	BENZO(A)PYRENE	2/28/2014		Yes	N	U		U	180	4.4	ug/kg
LT-G-033-2-4-20140224	480-55212-22	ACETOPHENONE	2/28/2014		Yes	N	U		U	180	9.3	ug/kg
LT-G-033-2-4-20140224	480-55212-22	ACENAPHTHYLENE	2/28/2014		Yes	N	U		U	180	1.5	ug/kg

SDG: 480552121

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-033-2-4-20140224	480-55212-22	4-NITROPHENOL	2/28/2014		Yes	N	U		U	350	44	ug/kg
LT-G-033-2-4-20140224	480-55212-22	4-NITROANILINE	2/28/2014		Yes	N	U		U	350	20	ug/kg
LT-G-033-2-4-20140224	480-55212-22	4-METHYLPHENOL (P-CRESOL)	2/28/2014		Yes	N	U		U	350	10	ug/kg
LT-G-033-2-4-20140224	480-55212-22	4-CHLOROPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	180	3.9	ug/kg
LT-G-033-2-4-20140224	480-55212-22	4-CHLOROANILINE	2/28/2014		Yes	N	U		U	180	53	ug/kg
LT-G-033-2-4-20140224	480-55212-22	4-CHLORO-3-METHYLPHENOL	2/28/2014		Yes	N	U		U	180	7.4	ug/kg
LT-G-033-2-4-20140224	480-55212-22	ACENAPHTHENE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-033-2-4-20140224	480-55212-22	BENZALDEHYDE	2/28/2014		Yes	N	U		U	180	20	ug/kg
LT-G-033-2-4-20140224	480-55212-22	4-BROMOPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	180	57	ug/kg
LT-G-033-6-8-20140224	480-55212-23	DI-N-OCTYLPHTHALATE	2/28/2014		Yes	N	U		U	180	4.2	ug/kg
LT-G-033-6-8-20140224	480-55212-23	CHRYSENE	2/28/2014		Yes	N	U		U	180	1.8	ug/kg
LT-G-033-6-8-20140224	480-55212-23	DIBENZ(A,H)ANTHRACENE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-033-6-8-20140224	480-55212-23	DIBENZOFURAN	2/28/2014		Yes	N	U		U	180	1.9	ug/kg
LT-G-033-6-8-20140224	480-55212-23	DIETHYL PHTHALATE	2/28/2014		Yes	N	U		U	180	5.4	ug/kg
LT-G-033-6-8-20140224	480-55212-23	DI-N-BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	180	62	ug/kg
LT-G-033-6-8-20140224	480-55212-23	DIMETHYL PHTHALATE	2/28/2014		Yes	N	U		U	180	4.7	ug/kg
LT-G-033-6-8-20140224	480-55212-23	CARBAZOLE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-033-6-8-20140224	480-55212-23	CAPROLACTAM	2/28/2014		Yes	N	U		U	180	78	ug/kg
LT-G-033-6-8-20140224	480-55212-23	BIS(2-ETHYLHEXYL) PHTHALATE	2/28/2014		Yes	N	U		U	180	58	ug/kg
LT-G-033-6-8-20140224	480-55212-23	BIS(2-CHLOROISOPROPYL) ETHER	2/28/2014		Yes	N	U		U	180	19	ug/kg
LT-G-033-6-8-20140224	480-55212-23	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/28/2014		Yes	N	U		U	180	15	ug/kg
LT-G-033-6-8-20140224	480-55212-23	FLUORANTHENE	2/28/2014		Yes	N	U		U	180	2.6	ug/kg
LT-G-033-6-8-20140224	480-55212-23	BIPHENYL (DIPHENYL)	2/28/2014		Yes	N	U		U	180	11	ug/kg
LT-G-033-6-8-20140224	480-55212-23	N-NITROSODI-N-PROPYLAMINE	2/28/2014		Yes	N	U		U	180	14	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-033-6-8-20140224	480-55212-23	BIS(2-CHLOROETHOXY) METHANE	2/28/2014		Yes	N	U		U	180	9.8	ug/kg
LT-G-033-6-8-20140224	480-55212-23	NITROBENZENE	2/28/2014		Yes	N	U		U	180	8.0	ug/kg
LT-G-033-6-8-20140224	480-55212-23	BENZO(B)FLUORANTHENE	2/28/2014		Yes	N	U		U	180	3.5	ug/kg
LT-G-033-6-8-20140224	480-55212-23	BENZYL BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	180	48	ug/kg
LT-G-033-6-8-20140224	480-55212-23	PYRENE	2/28/2014		Yes	N	U		U	180	1.2	ug/kg
LT-G-033-6-8-20140224	480-55212-23	PHENOL	2/28/2014		Yes	N	U		U	180	19	ug/kg
LT-G-033-6-8-20140224	480-55212-23	PHENANTHRENE	2/28/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-033-6-8-20140224	480-55212-23	NAPHTHALENE	2/28/2014		Yes	N	U		U	180	3.0	ug/kg
LT-G-033-6-8-20140224	480-55212-23	N-NITROSODIPHENYLAMINE	2/28/2014		Yes	N	U		U	180	9.8	ug/kg
LT-G-033-6-8-20140224	480-55212-23	FLUORENE	2/28/2014		Yes	N	U		U	180	4.1	ug/kg
LT-G-033-6-8-20140224	480-55212-23	ISOPHORONE	2/28/2014		Yes	N	U		U	180	9.0	ug/kg
LT-G-033-6-8-20140224	480-55212-23	INDENO(1,2,3-C,D)PYRENE	2/28/2014		Yes	N	U		U	180	5.0	ug/kg
LT-G-033-6-8-20140224	480-55212-23	HEXACHLOROETHANE	2/28/2014		Yes	N	U		U	180	14	ug/kg
LT-G-033-6-8-20140224	480-55212-23	HEXACHLOROCYCLOPENTADIENE	2/28/2014		Yes	N	U		U	180	54	ug/kg
LT-G-033-6-8-20140224	480-55212-23	HEXACHLOROBUTADIENE	2/28/2014		Yes	N	U		U	180	9.2	ug/kg
LT-G-033-6-8-20140224	480-55212-23	HEXACHLOROBENZENE	2/28/2014		Yes	N	U		U	180	8.9	ug/kg
LT-G-033-6-8-20140224	480-55212-23	PENTACHLOROPHENOL	2/28/2014		Yes	N	U		U	350	62	ug/kg
LT-G-033-6-8-20140224	480-55212-23	2,6-DINITROTOLUENE	2/28/2014		Yes	N	U		U	180	44	ug/kg
LT-G-033-6-8-20140224	480-55212-23	3-NITROANILINE	2/28/2014		Yes	N	U		U	350	41	ug/kg
LT-G-033-6-8-20140224	480-55212-23	3,3'-DICHLOROBENZIDINE	2/28/2014		Yes	N	U		U	180	160	ug/kg
LT-G-033-6-8-20140224	480-55212-23	2-NITROPHENOL	2/28/2014		Yes	N	U		U	180	8.2	ug/kg
LT-G-033-6-8-20140224	480-55212-23	2-NITROANILINE	2/28/2014		Yes	N	U		U	350	58	ug/kg
LT-G-033-6-8-20140224	480-55212-23	2-METHYLPHENOL (O-CRESOL)	2/28/2014		Yes	N	U		U	180	5.5	ug/kg
LT-G-033-6-8-20140224	480-55212-23	2-METHYLNAPHTHALENE	2/28/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-033-6-8-20140224	480-55212-23	4,6-DINITRO-2-METHYLPHENOL	2/28/2014		Yes	N	U		U	350	62	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-033-6-8-20140224	480-55212-23	2-CHLORONAPHTHALENE	2/28/2014		Yes	N	U		U	180	12	ug/kg
LT-G-033-6-8-20140224	480-55212-23	2,4-DICHLOROPHENOL	2/28/2014		Yes	N	U		U	180	9.4	ug/kg
LT-G-033-6-8-20140224	480-55212-23	2,4-DINITROTOLUENE	2/28/2014		Yes	N	U		U	180	28	ug/kg
LT-G-033-6-8-20140224	480-55212-23	2,4-DINITROPHENOL	2/28/2014		Yes	N	U		U	350	63	ug/kg
LT-G-033-6-8-20140224	480-55212-23	2,4-DIMETHYLPHENOL	2/28/2014		Yes	N	U		U	180	48	ug/kg
LT-G-033-6-8-20140224	480-55212-23	BENZO(G,H,I)PERYLENE	2/28/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-033-6-8-20140224	480-55212-23	2,4,6-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	180	12	ug/kg
LT-G-033-6-8-20140224	480-55212-23	BENZO(K)FLUORANTHENE	2/28/2014		Yes	N	U		U	180	2.0	ug/kg
LT-G-033-6-8-20140224	480-55212-23	2,4,5-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	180	39	ug/kg
LT-G-033-6-8-20140224	480-55212-23	2-CHLOROPHENOL	2/28/2014		Yes	N	U		U	180	9.1	ug/kg
LT-G-033-6-8-20140224	480-55212-23	ANTHRACENE	2/28/2014		Yes	N	U		U	180	4.6	ug/kg
LT-G-033-6-8-20140224	480-55212-23	BENZO(A)ANTHRACENE	2/28/2014		Yes	N	U		U	180	3.1	ug/kg
LT-G-033-6-8-20140224	480-55212-23	4-BROMOPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	180	57	ug/kg
LT-G-033-6-8-20140224	480-55212-23	ATRAZINE	2/28/2014		Yes	N	U		U	180	8.0	ug/kg
LT-G-033-6-8-20140224	480-55212-23	BENZO(A)PYRENE	2/28/2014		Yes	N	U		U	180	4.3	ug/kg
LT-G-033-6-8-20140224	480-55212-23	ACETOPHENONE	2/28/2014		Yes	N	U		U	180	9.2	ug/kg
LT-G-033-6-8-20140224	480-55212-23	ACENAPHTHYLENE	2/28/2014		Yes	N	U		U	180	1.5	ug/kg
LT-G-033-6-8-20140224	480-55212-23	ACENAPHTHENE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-033-6-8-20140224	480-55212-23	4-NITROPHENOL	2/28/2014		Yes	N	U		U	350	44	ug/kg
LT-G-033-6-8-20140224	480-55212-23	4-NITROANILINE	2/28/2014		Yes	N	U		U	350	20	ug/kg
LT-G-033-6-8-20140224	480-55212-23	4-METHYLPHENOL (P-CRESOL)	2/28/2014		Yes	N	U		U	350	10	ug/kg
LT-G-033-6-8-20140224	480-55212-23	4-CHLOROPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-033-6-8-20140224	480-55212-23	4-CHLOROANILINE	2/28/2014		Yes	N	U		U	180	53	ug/kg
LT-G-033-6-8-20140224	480-55212-23	4-CHLORO-3-METHYLPHENOL	2/28/2014		Yes	N	U		U	180	7.4	ug/kg
LT-G-033-6-8-20140224	480-55212-23	BENZALDEHYDE	2/28/2014		Yes	N	U		U	180	20	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-034-0-2-20140224	480-55212-24	DIMETHYL PHTHALATE	2/28/2014		Yes	N	U		U	180	4.7	ug/kg
LT-G-034-0-2-20140224	480-55212-24	DIETHYL PHTHALATE	2/28/2014		Yes	N	U		U	180	5.4	ug/kg
LT-G-034-0-2-20140224	480-55212-24	DIBENZOFURAN	2/28/2014		Yes	N	U		U	180	1.9	ug/kg
LT-G-034-0-2-20140224	480-55212-24	DIBENZ(A,H)ANTHRACENE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-034-0-2-20140224	480-55212-24	CHRYSENE	2/28/2014		Yes	N	U		U	180	1.8	ug/kg
LT-G-034-0-2-20140224	480-55212-24	CARBAZOLE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-034-0-2-20140224	480-55212-24	CAPROLACTAM	2/28/2014		Yes	N	U		U	180	78	ug/kg
LT-G-034-0-2-20140224	480-55212-24	BIS(2-ETHYLHEXYL) PHTHALATE	2/28/2014		Yes	N	U		U	180	58	ug/kg
LT-G-034-0-2-20140224	480-55212-24	BIS(2-CHLOROISOPROPYL) ETHER	2/28/2014		Yes	N	U		U	180	19	ug/kg
LT-G-034-0-2-20140224	480-55212-24	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/28/2014		Yes	N	U		U	180	15	ug/kg
LT-G-034-0-2-20140224	480-55212-24	BIS(2-CHLOROETHOXY) METHANE	2/28/2014		Yes	N	U		U	180	9.7	ug/kg
LT-G-034-0-2-20140224	480-55212-24	BIPHENYL (DIPHENYL)	2/28/2014		Yes	N	U		U	180	11	ug/kg
LT-G-034-0-2-20140224	480-55212-24	DI-N-BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	180	62	ug/kg
LT-G-034-0-2-20140224	480-55212-24	BENZO(K)FLUORANTHENE	2/28/2014		Yes	N	U		U	180	2.0	ug/kg
LT-G-034-0-2-20140224	480-55212-24	ISOPHORONE	2/28/2014		Yes	N	U		U	180	9.0	ug/kg
LT-G-034-0-2-20140224	480-55212-24	BENZYL BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	180	48	ug/kg
LT-G-034-0-2-20140224	480-55212-24	INDENO(1,2,3-C,D)PYRENE	2/28/2014		Yes	N	U		U	180	5.0	ug/kg
LT-G-034-0-2-20140224	480-55212-24	NITROBENZENE	2/28/2014		Yes	N	U		U	180	7.9	ug/kg
LT-G-034-0-2-20140224	480-55212-24	PHENANTHRENE	2/28/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-034-0-2-20140224	480-55212-24	PENTACHLOROPHENOL	2/28/2014		Yes	N	U		U	350	61	ug/kg
LT-G-034-0-2-20140224	480-55212-24	BENZO(G,H,I)PERYLENE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-034-0-2-20140224	480-55212-24	N-NITROSODI-N-PROPYLAMINE	2/28/2014		Yes	N	U		U	180	14	ug/kg
LT-G-034-0-2-20140224	480-55212-24	HEXACHLOROETHANE	2/28/2014		Yes	N	U		U	180	14	ug/kg
LT-G-034-0-2-20140224	480-55212-24	NAPHTHALENE	2/28/2014		Yes	N	U		U	180	3.0	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-034-0-2-20140224	480-55212-24	DI-N-OCTYLPHTHALATE	2/28/2014		Yes	N	U		U	180	4.2	ug/kg
LT-G-034-0-2-20140224	480-55212-24	PHENOL	2/28/2014		Yes	N	U		U	180	19	ug/kg
LT-G-034-0-2-20140224	480-55212-24	HEXACHLOROCYCLOPENTADIENE	2/28/2014		Yes	N	U		U	180	54	ug/kg
LT-G-034-0-2-20140224	480-55212-24	HEXACHLOROBUTADIENE	2/28/2014		Yes	N	U		U	180	9.2	ug/kg
LT-G-034-0-2-20140224	480-55212-24	HEXACHLOROBENZENE	2/28/2014		Yes	N	U		U	180	8.9	ug/kg
LT-G-034-0-2-20140224	480-55212-24	FLUORENE	2/28/2014		Yes	N	U		U	180	4.1	ug/kg
LT-G-034-0-2-20140224	480-55212-24	FLUORANTHENE	2/28/2014		Yes	N	U		U	180	2.6	ug/kg
LT-G-034-0-2-20140224	480-55212-24	PYRENE	2/28/2014		Yes	N	U		U	180	1.2	ug/kg
LT-G-034-0-2-20140224	480-55212-24	2,4-DINITROTOLUENE	2/28/2014		Yes	N	U		U	180	28	ug/kg
LT-G-034-0-2-20140224	480-55212-24	3,3'-DICHLOBENZIDINE	2/28/2014		Yes	N	U		U	180	160	ug/kg
LT-G-034-0-2-20140224	480-55212-24	2-NITROPHENOL	2/28/2014		Yes	N	U		U	180	8.2	ug/kg
LT-G-034-0-2-20140224	480-55212-24	2-NITROANILINE	2/28/2014		Yes	N	U		U	350	57	ug/kg
LT-G-034-0-2-20140224	480-55212-24	2-METHYLPHENOL (O-CRESOL)	2/28/2014		Yes	N	U		U	180	5.5	ug/kg
LT-G-034-0-2-20140224	480-55212-24	2-METHYLNAPHTHALENE	2/28/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-034-0-2-20140224	480-55212-24	3-NITROANILINE	2/28/2014		Yes	N	U		U	350	41	ug/kg
LT-G-034-0-2-20140224	480-55212-24	2-CHLORONAPHTHALENE	2/28/2014		Yes	N	U		U	180	12	ug/kg
LT-G-034-0-2-20140224	480-55212-24	2-CHLOROPHENOL	2/28/2014		Yes	N	U		U	180	9.1	ug/kg
LT-G-034-0-2-20140224	480-55212-24	2,4-DINITROPHENOL	2/28/2014		Yes	N	U		U	350	63	ug/kg
LT-G-034-0-2-20140224	480-55212-24	2,4-DIMETHYLPHENOL	2/28/2014		Yes	N	U		U	180	48	ug/kg
LT-G-034-0-2-20140224	480-55212-24	2,4-DICHLOROPHENOL	2/28/2014		Yes	N	U		U	180	9.4	ug/kg
LT-G-034-0-2-20140224	480-55212-24	2,4,6-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	180	12	ug/kg
LT-G-034-0-2-20140224	480-55212-24	N-NITROSODIPHENYLAMINE	2/28/2014		Yes	N	U		U	180	9.8	ug/kg
LT-G-034-0-2-20140224	480-55212-24	BENZO(B)FLUORANTHENE	2/28/2014		Yes	N	U		U	180	3.5	ug/kg
LT-G-034-0-2-20140224	480-55212-24	2,4,5-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	180	39	ug/kg
LT-G-034-0-2-20140224	480-55212-24	ACETOPHENONE	2/28/2014		Yes	N	U		U	180	9.2	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-034-0-2-20140224	480-55212-24	BENZO(A)PYRENE	2/28/2014		Yes	N	U		U	180	4.3	ug/kg
LT-G-034-0-2-20140224	480-55212-24	BENZO(A)ANTHRACENE	2/28/2014		Yes	N	U		U	180	3.1	ug/kg
LT-G-034-0-2-20140224	480-55212-24	2,6-DINITROTOLUENE	2/28/2014		Yes	N	U		U	180	44	ug/kg
LT-G-034-0-2-20140224	480-55212-24	4,6-DINITRO-2-METHYLPHENOL	2/28/2014		Yes	N	U		U	350	62	ug/kg
LT-G-034-0-2-20140224	480-55212-24	BENZALDEHYDE	2/28/2014		Yes	N	U		U	180	20	ug/kg
LT-G-034-0-2-20140224	480-55212-24	ANTHRACENE	2/28/2014		Yes	N	U		U	180	4.6	ug/kg
LT-G-034-0-2-20140224	480-55212-24	ACENAPHTHYLENE	2/28/2014		Yes	N	U		U	180	1.5	ug/kg
LT-G-034-0-2-20140224	480-55212-24	4-CHLOROPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-034-0-2-20140224	480-55212-24	4-BROMOPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	180	57	ug/kg
LT-G-034-0-2-20140224	480-55212-24	4-CHLORO-3-METHYLPHENOL	2/28/2014		Yes	N	U		U	180	7.4	ug/kg
LT-G-034-0-2-20140224	480-55212-24	ATRAZINE	2/28/2014		Yes	N	U		U	180	8.0	ug/kg
LT-G-034-0-2-20140224	480-55212-24	4-CHLOROANILINE	2/28/2014		Yes	N	U		U	180	53	ug/kg
LT-G-034-0-2-20140224	480-55212-24	ACENAPHTHENE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-034-0-2-20140224	480-55212-24	4-METHYLPHENOL (P-CRESOL)	2/28/2014		Yes	N	U		U	350	10	ug/kg
LT-G-034-0-2-20140224	480-55212-24	4-NITROANILINE	2/28/2014		Yes	N	U		U	350	20	ug/kg
LT-G-034-0-2-20140224	480-55212-24	4-NITROPHENOL	2/28/2014		Yes	N	U		U	350	43	ug/kg
LT-G-034-2-4-20140224	480-55212-25	CARBAZOLE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-034-2-4-20140224	480-55212-25	BENZO(K)FLUORANTHENE	2/28/2014		Yes	N	U		U	180	2.0	ug/kg
LT-G-034-2-4-20140224	480-55212-25	DIBENZOFURAN	2/28/2014		Yes	N	U		U	180	1.8	ug/kg
LT-G-034-2-4-20140224	480-55212-25	DIBENZ(A,H)ANTHRACENE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-034-2-4-20140224	480-55212-25	CHRYSENE	2/28/2014		Yes	N	U		U	180	1.8	ug/kg
LT-G-034-2-4-20140224	480-55212-25	DIMETHYL PHTHALATE	2/28/2014		Yes	N	U		U	180	4.6	ug/kg
LT-G-034-2-4-20140224	480-55212-25	DIETHYL PHTHALATE	2/28/2014		Yes	N	U		U	180	5.4	ug/kg
LT-G-034-2-4-20140224	480-55212-25	CAPROLACTAM	2/28/2014		Yes	N	U		U	180	77	ug/kg
LT-G-034-2-4-20140224	480-55212-25	BIS(2-ETHYLHEXYL) PHTHALATE	2/28/2014		Yes	N	U		U	180	57	ug/kg

SDG: 480552121

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-034-2-4-20140224	480-55212-25	BIS(2-CHLOROISOPROPYL) ETHER	2/28/2014		Yes	N	U		U	180	19	ug/kg
LT-G-034-2-4-20140224	480-55212-25	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/28/2014		Yes	N	U		U	180	15	ug/kg
LT-G-034-2-4-20140224	480-55212-25	BIS(2-CHLOROETHOXY) METHANE	2/28/2014		Yes	N	U		U	180	9.7	ug/kg
LT-G-034-2-4-20140224	480-55212-25	BENZYL BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	180	48	ug/kg
LT-G-034-2-4-20140224	480-55212-25	DI-N-BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	180	61	ug/kg
LT-G-034-2-4-20140224	480-55212-25	BIPHENYL (DIPHENYL)	2/28/2014		Yes	N	U		U	180	11	ug/kg
LT-G-034-2-4-20140224	480-55212-25	INDENO(1,2,3-C,D)PYRENE	2/28/2014		Yes	N	U		U	180	4.9	ug/kg
LT-G-034-2-4-20140224	480-55212-25	NITROBENZENE	2/28/2014		Yes	N	U		U	180	7.9	ug/kg
LT-G-034-2-4-20140224	480-55212-25	PYRENE	2/28/2014		Yes	N	U		U	180	1.1	ug/kg
LT-G-034-2-4-20140224	480-55212-25	BENZO(G,H,I)PERYLENE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-034-2-4-20140224	480-55212-25	PHENANTHRENE	2/28/2014		Yes	N	U		U	180	3.7	ug/kg
LT-G-034-2-4-20140224	480-55212-25	PENTACHLOROPHENOL	2/28/2014		Yes	N	U		U	350	61	ug/kg
LT-G-034-2-4-20140224	480-55212-25	N-NITROSODI-N-PROPYLAMINE	2/28/2014		Yes	N	U		U	180	14	ug/kg
LT-G-034-2-4-20140224	480-55212-25	PHENOL	2/28/2014		Yes	N	U		U	180	19	ug/kg
LT-G-034-2-4-20140224	480-55212-25	ISOPHORONE	2/28/2014		Yes	N	U		U	180	8.9	ug/kg
LT-G-034-2-4-20140224	480-55212-25	DI-N-OCTYLPHTHALATE	2/28/2014		Yes	N	U		U	180	4.2	ug/kg
LT-G-034-2-4-20140224	480-55212-25	HEXACHLOROETHANE	2/28/2014		Yes	N	U		U	180	14	ug/kg
LT-G-034-2-4-20140224	480-55212-25	HEXACHLOROCYCLOPENTADIENE	2/28/2014		Yes	N	U		U	180	54	ug/kg
LT-G-034-2-4-20140224	480-55212-25	HEXACHLOROBUTADIENE	2/28/2014		Yes	N	U		U	180	9.1	ug/kg
LT-G-034-2-4-20140224	480-55212-25	HEXACHLOROBENZENE	2/28/2014		Yes	N	U		U	180	8.8	ug/kg
LT-G-034-2-4-20140224	480-55212-25	FLUORENE	2/28/2014		Yes	N	U		U	180	4.1	ug/kg
LT-G-034-2-4-20140224	480-55212-25	FLUORANTHENE	2/28/2014		Yes	N	U		U	180	2.6	ug/kg
LT-G-034-2-4-20140224	480-55212-25	NAPHTHALENE	2/28/2014		Yes	N	U		U	180	3.0	ug/kg
LT-G-034-2-4-20140224	480-55212-25	2,4-DINITROPHENOL	2/28/2014		Yes	N	U		U	350	62	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-034-2-4-20140224	480-55212-25	3,3'-DICHLOROBENZIDINE	2/28/2014		Yes	N	U		U	180	160	ug/kg
LT-G-034-2-4-20140224	480-55212-25	2-NITROPHENOL	2/28/2014		Yes	N	U		U	180	8.1	ug/kg
LT-G-034-2-4-20140224	480-55212-25	2-NITROANILINE	2/28/2014		Yes	N	U		U	350	57	ug/kg
LT-G-034-2-4-20140224	480-55212-25	2-METHYLPHENOL (O-CRESOL)	2/28/2014		Yes	N	U		U	180	5.5	ug/kg
LT-G-034-2-4-20140224	480-55212-25	2-METHYLNAPHTHALENE	2/28/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-034-2-4-20140224	480-55212-25	3-NITROANILINE	2/28/2014		Yes	N	U		U	350	41	ug/kg
LT-G-034-2-4-20140224	480-55212-25	2,4-DINITROTOLUENE	2/28/2014		Yes	N	U		U	180	27	ug/kg
LT-G-034-2-4-20140224	480-55212-25	2-CHLOROPHENOL	2/28/2014		Yes	N	U		U	180	9.0	ug/kg
LT-G-034-2-4-20140224	480-55212-25	2,4-DIMETHYLPHENOL	2/28/2014		Yes	N	U		U	180	48	ug/kg
LT-G-034-2-4-20140224	480-55212-25	2,4-DICHLOROPHENOL	2/28/2014		Yes	N	U		U	180	9.3	ug/kg
LT-G-034-2-4-20140224	480-55212-25	2,4,6-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	180	12	ug/kg
LT-G-034-2-4-20140224	480-55212-25	2,4,5-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	180	39	ug/kg
LT-G-034-2-4-20140224	480-55212-25	N-NITROSODIPHENYLAMINE	2/28/2014		Yes	N	U		U	180	9.7	ug/kg
LT-G-034-2-4-20140224	480-55212-25	BENZO(B)FLUORANTHENE	2/28/2014		Yes	N	U		U	180	3.4	ug/kg
LT-G-034-2-4-20140224	480-55212-25	2-CHLORONAPHTHALENE	2/28/2014		Yes	N	U		U	180	12	ug/kg
LT-G-034-2-4-20140224	480-55212-25	ACENAPHTHYLENE	2/28/2014		Yes	N	U		U	180	1.5	ug/kg
LT-G-034-2-4-20140224	480-55212-25	BENZO(A)PYRENE	2/28/2014		Yes	N	U		U	180	4.3	ug/kg
LT-G-034-2-4-20140224	480-55212-25	BENZO(A)ANTHRACENE	2/28/2014		Yes	N	U		U	180	3.1	ug/kg
LT-G-034-2-4-20140224	480-55212-25	2,6-DINITROTOLUENE	2/28/2014		Yes	N	U		U	180	43	ug/kg
LT-G-034-2-4-20140224	480-55212-25	4,6-DINITRO-2-METHYLPHENOL	2/28/2014		Yes	N	U		U	350	61	ug/kg
LT-G-034-2-4-20140224	480-55212-25	ATRAZINE	2/28/2014		Yes	N	U		U	180	7.9	ug/kg
LT-G-034-2-4-20140224	480-55212-25	ACETOPHENONE	2/28/2014		Yes	N	U		U	180	9.1	ug/kg
LT-G-034-2-4-20140224	480-55212-25	BENZALDEHYDE	2/28/2014		Yes	N	U		U	180	19	ug/kg
LT-G-034-2-4-20140224	480-55212-25	ACENAPHTHENE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-034-2-4-20140224	480-55212-25	4-NITROPHENOL	2/28/2014		Yes	N	U		U	350	43	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-034-2-4-20140224	480-55212-25	4-NITROANILINE	2/28/2014		Yes	N	U		U	350	20	ug/kg
LT-G-034-2-4-20140224	480-55212-25	4-METHYLPHENOL (P-CRESOL)	2/28/2014		Yes	N	U		U	350	9.9	ug/kg
LT-G-034-2-4-20140224	480-55212-25	4-CHLOROPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-034-2-4-20140224	480-55212-25	4-CHLOROANILINE	2/28/2014		Yes	N	U		U	180	52	ug/kg
LT-G-034-2-4-20140224	480-55212-25	4-CHLORO-3-METHYLPHENOL	2/28/2014		Yes	N	U		U	180	7.3	ug/kg
LT-G-034-2-4-20140224	480-55212-25	4-BROMOPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	180	56	ug/kg
LT-G-034-2-4-20140224	480-55212-25	ANTHRACENE	2/28/2014		Yes	N	U		U	180	4.5	ug/kg
LT-G-034-6-8-20140224	480-55212-26	DIETHYL PHTHALATE	2/28/2014		Yes	N	U		U	190	5.7	ug/kg
LT-G-034-6-8-20140224	480-55212-26	DIMETHYL PHTHALATE	2/28/2014		Yes	N	U		U	190	4.9	ug/kg
LT-G-034-6-8-20140224	480-55212-26	CAPROLACTAM	2/28/2014		Yes	N	U		U	190	82	ug/kg
LT-G-034-6-8-20140224	480-55212-26	DIBENZOFURAN	2/28/2014		Yes	N	U		U	190	2.0	ug/kg
LT-G-034-6-8-20140224	480-55212-26	DIBENZ(A,H)ANTHRACENE	2/28/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-034-6-8-20140224	480-55212-26	CHRYSENE	2/28/2014		Yes	N	U		U	190	1.9	ug/kg
LT-G-034-6-8-20140224	480-55212-26	CARBAZOLE	2/28/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-034-6-8-20140224	480-55212-26	BIS(2-ETHYLHEXYL) PHTHALATE	2/28/2014		Yes	N	U		U	190	61	ug/kg
LT-G-034-6-8-20140224	480-55212-26	BIS(2-CHLOROISOPROPYL) ETHER	2/28/2014		Yes	N	U		U	190	20	ug/kg
LT-G-034-6-8-20140224	480-55212-26	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/28/2014		Yes	N	U		U	190	16	ug/kg
LT-G-034-6-8-20140224	480-55212-26	BIS(2-CHLOROETHOXY) METHANE	2/28/2014		Yes	N	U		U	190	10	ug/kg
LT-G-034-6-8-20140224	480-55212-26	BENZYL BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	190	51	ug/kg
LT-G-034-6-8-20140224	480-55212-26	DI-N-BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	190	65	ug/kg
LT-G-034-6-8-20140224	480-55212-26	PYRENE	2/28/2014		Yes	N	U		U	190	1.2	ug/kg
LT-G-034-6-8-20140224	480-55212-26	BIPHENYL (DIPHENYL)	2/28/2014		Yes	N	U		U	190	12	ug/kg
LT-G-034-6-8-20140224	480-55212-26	ISOPHORONE	2/28/2014		Yes	N	U		U	190	9.4	ug/kg
LT-G-034-6-8-20140224	480-55212-26	ACETOPHENONE	2/28/2014		Yes	N	U		U	190	9.7	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-034-6-8-20140224	480-55212-26	PHENOL	2/28/2014		Yes	N	U		U	190	20	ug/kg
LT-G-034-6-8-20140224	480-55212-26	BENZO(K)FLUORANTHENE	2/28/2014		Yes	N	U		U	190	2.1	ug/kg
LT-G-034-6-8-20140224	480-55212-26	PENTACHLOROPHENOL	2/28/2014		Yes	N	U		U	370	65	ug/kg
LT-G-034-6-8-20140224	480-55212-26	N-NITROSODIPHENYLAMINE	2/28/2014		Yes	N	U		U	190	10	ug/kg
LT-G-034-6-8-20140224	480-55212-26	N-NITROSODI-N-PROPYLAMINE	2/28/2014		Yes	N	U		U	190	15	ug/kg
LT-G-034-6-8-20140224	480-55212-26	PHENANTHRENE	2/28/2014		Yes	N	U		U	190	4.0	ug/kg
LT-G-034-6-8-20140224	480-55212-26	NAPHTHALENE	2/28/2014		Yes	N	U		U	190	3.1	ug/kg
LT-G-034-6-8-20140224	480-55212-26	DI-N-OCTYLPHTHALATE	2/28/2014		Yes	N	U		U	190	4.4	ug/kg
LT-G-034-6-8-20140224	480-55212-26	INDENO(1,2,3-C,D)PYRENE	2/28/2014		Yes	N	U		U	190	5.2	ug/kg
LT-G-034-6-8-20140224	480-55212-26	HEXACHLOROETHANE	2/28/2014		Yes	N	U		U	190	15	ug/kg
LT-G-034-6-8-20140224	480-55212-26	HEXACHLOROCYCLOPENTADIENE	2/28/2014		Yes	N	U		U	190	57	ug/kg
LT-G-034-6-8-20140224	480-55212-26	HEXACHLOROBUTADIENE	2/28/2014		Yes	N	U		U	190	9.6	ug/kg
LT-G-034-6-8-20140224	480-55212-26	HEXACHLOROBENZENE	2/28/2014		Yes	N	U		U	190	9.4	ug/kg
LT-G-034-6-8-20140224	480-55212-26	FLUORENE	2/28/2014		Yes	N	U		U	190	4.3	ug/kg
LT-G-034-6-8-20140224	480-55212-26	FLUORANTHENE	2/28/2014		Yes	N	U		U	190	2.7	ug/kg
LT-G-034-6-8-20140224	480-55212-26	NITROBENZENE	2/28/2014		Yes	N	U		U	190	8.4	ug/kg
LT-G-034-6-8-20140224	480-55212-26	2,6-DINITROTOLUENE	2/28/2014		Yes	N	U		U	190	46	ug/kg
LT-G-034-6-8-20140224	480-55212-26	3,3'-DICHLOBENZIDINE	2/28/2014		Yes	N	U		U	190	170	ug/kg
LT-G-034-6-8-20140224	480-55212-26	2-NITROPHENOL	2/28/2014		Yes	N	U		U	190	8.6	ug/kg
LT-G-034-6-8-20140224	480-55212-26	2-NITROANILINE	2/28/2014		Yes	N	U		U	370	60	ug/kg
LT-G-034-6-8-20140224	480-55212-26	2-METHYLPHENOL (O-CRESOL)	2/28/2014		Yes	N	U		U	190	5.8	ug/kg
LT-G-034-6-8-20140224	480-55212-26	2-METHYLNAPHTHALENE	2/28/2014		Yes	N	U		U	190	2.3	ug/kg
LT-G-034-6-8-20140224	480-55212-26	3-NITROANILINE	2/28/2014		Yes	N	U		U	370	43	ug/kg
LT-G-034-6-8-20140224	480-55212-26	2-CHLORONAPHTHALENE	2/28/2014		Yes	N	U		U	190	13	ug/kg
LT-G-034-6-8-20140224	480-55212-26	2,4-DINITROTOLUENE	2/28/2014		Yes	N	U		U	190	29	ug/kg

SDG: 480552121

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-034-6-8-20140224	480-55212-26	BENZO(G,H,I)PERYLENE	2/28/2014		Yes	N	U		U	190	2.3	ug/kg
LT-G-034-6-8-20140224	480-55212-26	2,4-DINITROPHENOL	2/28/2014		Yes	N	U		U	370	66	ug/kg
LT-G-034-6-8-20140224	480-55212-26	ATRAZINE	2/28/2014		Yes	N	U		U	190	8.4	ug/kg
LT-G-034-6-8-20140224	480-55212-26	2,4-DICHLOROPHENOL	2/28/2014		Yes	N	U		U	190	9.9	ug/kg
LT-G-034-6-8-20140224	480-55212-26	2,4,6-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	190	12	ug/kg
LT-G-034-6-8-20140224	480-55212-26	2,4,5-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	190	41	ug/kg
LT-G-034-6-8-20140224	480-55212-26	2-CHLOROPHENOL	2/28/2014		Yes	N	U		U	190	9.6	ug/kg
LT-G-034-6-8-20140224	480-55212-26	BENZO(A)ANTHRACENE	2/28/2014		Yes	N	U		U	190	3.3	ug/kg
LT-G-034-6-8-20140224	480-55212-26	2,4-DIMETHYLPHENOL	2/28/2014		Yes	N	U		U	190	51	ug/kg
LT-G-034-6-8-20140224	480-55212-26	4,6-DINITRO-2-METHYLPHENOL	2/28/2014		Yes	N	U		U	370	65	ug/kg
LT-G-034-6-8-20140224	480-55212-26	BENZO(A)PYRENE	2/28/2014		Yes	N	U		U	190	4.5	ug/kg
LT-G-034-6-8-20140224	480-55212-26	BENZALDEHYDE	2/28/2014		Yes	N	U		U	190	21	ug/kg
LT-G-034-6-8-20140224	480-55212-26	ANTHRACENE	2/28/2014		Yes	N	U		U	190	4.8	ug/kg
LT-G-034-6-8-20140224	480-55212-26	ACENAPHTHYLENE	2/28/2014		Yes	N	U		U	190	1.5	ug/kg
LT-G-034-6-8-20140224	480-55212-26	ACENAPHTHENE	2/28/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-034-6-8-20140224	480-55212-26	4-CHLORO-3-METHYLPHENOL	2/28/2014		Yes	N	U		U	190	7.8	ug/kg
LT-G-034-6-8-20140224	480-55212-26	4-NITROANILINE	2/28/2014		Yes	N	U		U	370	21	ug/kg
LT-G-034-6-8-20140224	480-55212-26	4-METHYLPHENOL (P-CRESOL)	2/28/2014		Yes	N	U		U	370	10	ug/kg
LT-G-034-6-8-20140224	480-55212-26	4-CHLOROPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	190	4.0	ug/kg
LT-G-034-6-8-20140224	480-55212-26	4-CHLOROANILINE	2/28/2014		Yes	N	U		U	190	55	ug/kg
LT-G-034-6-8-20140224	480-55212-26	4-NITROPHENOL	2/28/2014		Yes	N	U		U	370	46	ug/kg
LT-G-034-6-8-20140224	480-55212-26	BENZO(B)FLUORANTHENE	2/28/2014		Yes	N	U		U	190	3.7	ug/kg
LT-G-034-6-8-20140224	480-55212-26	4-BROMOPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	190	60	ug/kg
LT-G-035-0-2-20140224	480-55212-27	2-NITROPHENOL	2/28/2014		Yes	N	U		U	190	8.6	ug/kg
LT-G-035-0-2-20140224	480-55212-27	3,3'-DICHLOROBENZIDINE	2/28/2014		Yes	N	U		U	190	160	ug/kg

SDG: 480552121

Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-035-0-2-20140224	480-55212-27	3-NITROANILINE	2/28/2014		Yes	N	U		U	370	43	ug/kg
LT-G-035-0-2-20140224	480-55212-27	4,6-DINITRO-2-METHYLPHENOL	2/28/2014		Yes	N	U		U	370	65	ug/kg
LT-G-035-0-2-20140224	480-55212-27	4-BROMOPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	190	60	ug/kg
LT-G-035-0-2-20140224	480-55212-27	4-CHLOROANILINE	2/28/2014		Yes	N	U		U	190	55	ug/kg
LT-G-035-0-2-20140224	480-55212-27	4-CHLOROPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	190	4.0	ug/kg
LT-G-035-0-2-20140224	480-55212-27	2-NITROANILINE	2/28/2014		Yes	N	U		U	370	60	ug/kg
LT-G-035-0-2-20140224	480-55212-27	2,4,6-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	190	12	ug/kg
LT-G-035-0-2-20140224	480-55212-27	4-CHLORO-3-METHYLPHENOL	2/28/2014		Yes	N	U		U	190	7.7	ug/kg
LT-G-035-0-2-20140224	480-55212-27	2-METHYLPHENOL (O-CRESOL)	2/28/2014		Yes	N	U		U	190	5.8	ug/kg
LT-G-035-0-2-20140224	480-55212-27	2-METHYLNAPHTHALENE	2/28/2014		Yes	N	U		U	190	2.3	ug/kg
LT-G-035-0-2-20140224	480-55212-27	2-CHLOROPHENOL	2/28/2014		Yes	N	U		U	190	9.6	ug/kg
LT-G-035-0-2-20140224	480-55212-27	2-CHLORONAPHTHALENE	2/28/2014		Yes	N	U		U	190	13	ug/kg
LT-G-035-0-2-20140224	480-55212-27	2,6-DINITROTOLUENE	2/28/2014		Yes	N	U		U	190	46	ug/kg
LT-G-035-0-2-20140224	480-55212-27	2,4-DINITROTOLUENE	2/28/2014		Yes	N	U		U	190	29	ug/kg
LT-G-035-0-2-20140224	480-55212-27	2,4-DINITROPHENOL	2/28/2014		Yes	N	U		U	370	66	ug/kg
LT-G-035-0-2-20140224	480-55212-27	2,4-DICHLOROPHENOL	2/28/2014		Yes	N	U		U	190	9.8	ug/kg
LT-G-035-0-2-20140224	480-55212-27	2,4,5-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	190	41	ug/kg
LT-G-035-0-2-20140224	480-55212-27	4-METHYLPHENOL (P-CRESOL)	2/28/2014		Yes	N	U		U	370	10	ug/kg
LT-G-035-0-2-20140224	480-55212-27	2,4-DIMETHYLPHENOL	2/28/2014		Yes	N	U		U	190	51	ug/kg
LT-G-035-0-2-20140224	480-55212-27	BIS(2-CHLOROETHOXY) METHANE	2/28/2014		Yes	N	U		U	190	10	ug/kg
LT-G-035-0-2-20140224	480-55212-27	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/28/2014		Yes	N	U		U	190	16	ug/kg
LT-G-035-0-2-20140224	480-55212-27	HEXACHLOROETHANE	2/28/2014		Yes	N	U		U	190	15	ug/kg
LT-G-035-0-2-20140224	480-55212-27	PYRENE	2/28/2014		Yes	N	U		U	190	1.2	ug/kg
LT-G-035-0-2-20140224	480-55212-27	PHENOL	2/28/2014		Yes	N	U		U	190	20	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-035-0-2-20140224	480-55212-27	PHENANTHRENE	2/28/2014		Yes	N	U		U	190	3.9	ug/kg
LT-G-035-0-2-20140224	480-55212-27	PENTACHLOROPHENOL	2/28/2014		Yes	N	U		U	370	64	ug/kg
LT-G-035-0-2-20140224	480-55212-27	N-NITROSODIPHENYLAMINE	2/28/2014		Yes	N	U		U	190	10	ug/kg
LT-G-035-0-2-20140224	480-55212-27	N-NITROSODI-N-PROPYLAMINE	2/28/2014		Yes	N	U		U	190	15	ug/kg
LT-G-035-0-2-20140224	480-55212-27	NITROBENZENE	2/28/2014		Yes	N	U		U	190	8.3	ug/kg
LT-G-035-0-2-20140224	480-55212-27	BIS(2-CHLOROISOPROPYL) ETHER	2/28/2014		Yes	N	U		U	190	20	ug/kg
LT-G-035-0-2-20140224	480-55212-27	BENZYL BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	190	50	ug/kg
LT-G-035-0-2-20140224	480-55212-27	4-NITROANILINE	2/28/2014		Yes	N	U		U	370	21	ug/kg
LT-G-035-0-2-20140224	480-55212-27	NAPHTHALENE	2/28/2014		Yes	N	U		U	190	3.1	ug/kg
LT-G-035-0-2-20140224	480-55212-27	HEXACHLOROCYCLOPENTADIENE	2/28/2014		Yes	N	U		U	190	57	ug/kg
LT-G-035-0-2-20140224	480-55212-27	HEXACHLOROBUTADIENE	2/28/2014		Yes	N	U		U	190	9.6	ug/kg
LT-G-035-0-2-20140224	480-55212-27	HEXACHLORO BENZENE	2/28/2014		Yes	N	U		U	190	9.3	ug/kg
LT-G-035-0-2-20140224	480-55212-27	FLUORENE	2/28/2014		Yes	N	U		U	190	4.3	ug/kg
LT-G-035-0-2-20140224	480-55212-27	FLUORANTHENE	2/28/2014		Yes	N	U		U	190	2.7	ug/kg
LT-G-035-0-2-20140224	480-55212-27	DI-N-OCTYL PHTHALATE	2/28/2014		Yes	N	U		U	190	4.4	ug/kg
LT-G-035-0-2-20140224	480-55212-27	DI-N-BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	190	65	ug/kg
LT-G-035-0-2-20140224	480-55212-27	DIMETHYL PHTHALATE	2/28/2014		Yes	N	U		U	190	4.9	ug/kg
LT-G-035-0-2-20140224	480-55212-27	DIETHYL PHTHALATE	2/28/2014		Yes	N	U		U	190	5.7	ug/kg
LT-G-035-0-2-20140224	480-55212-27	ISOPHORONE	2/28/2014		Yes	N	U		U	190	9.4	ug/kg
LT-G-035-0-2-20140224	480-55212-27	BIS(2-ETHYLHEXYL) PHTHALATE	2/28/2014		Yes	N	U		U	190	61	ug/kg
LT-G-035-0-2-20140224	480-55212-27	INDENO(1,2,3-C,D)PYRENE	2/28/2014		Yes	N	U		U	190	5.2	ug/kg
LT-G-035-0-2-20140224	480-55212-27	DIBENZOFURAN	2/28/2014		Yes	N	U		U	190	2.0	ug/kg
LT-G-035-0-2-20140224	480-55212-27	BENZO(K)FLUORANTHENE	2/28/2014		Yes	N	U		U	190	2.1	ug/kg
LT-G-035-0-2-20140224	480-55212-27	CAPROLACTAM	2/28/2014		Yes	N	U		U	190	81	ug/kg
LT-G-035-0-2-20140224	480-55212-27	CARBAZOLE	2/28/2014		Yes	N	U		U	190	2.2	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-035-0-2-20140224	480-55212-27	BIPHENYL (DIPHENYL)	2/28/2014		Yes	N	U		U	190	12	ug/kg
LT-G-035-0-2-20140224	480-55212-27	CHRYSENE	2/28/2014		Yes	N	U		U	190	1.9	ug/kg
LT-G-035-0-2-20140224	480-55212-27	DIBENZ(A,H)ANTHRACENE	2/28/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-035-0-2-20140224	480-55212-27	4-NITROPHENOL	2/28/2014		Yes	N	U		U	370	46	ug/kg
LT-G-035-0-2-20140224	480-55212-27	ACENAPHTHENE	2/28/2014		Yes	N	U		U	190	2.2	ug/kg
LT-G-035-0-2-20140224	480-55212-27	BENZO(A)PYRENE	2/28/2014		Yes	N	U		U	190	4.5	ug/kg
LT-G-035-0-2-20140224	480-55212-27	ACENAPHTHYLENE	2/28/2014		Yes	N	U		U	190	1.5	ug/kg
LT-G-035-0-2-20140224	480-55212-27	BENZO(B)FLUORANTHENE	2/28/2014		Yes	N	U		U	190	3.6	ug/kg
LT-G-035-0-2-20140224	480-55212-27	BENZO(A)ANTHRACENE	2/28/2014		Yes	N	U		U	190	3.2	ug/kg
LT-G-035-0-2-20140224	480-55212-27	BENZALDEHYDE	2/28/2014		Yes	N	U		U	190	21	ug/kg
LT-G-035-0-2-20140224	480-55212-27	ATRAZINE	2/28/2014		Yes	N	U		U	190	8.4	ug/kg
LT-G-035-0-2-20140224	480-55212-27	ANTHRACENE	2/28/2014		Yes	N	U		U	190	4.8	ug/kg
LT-G-035-0-2-20140224	480-55212-27	ACETOPHENONE	2/28/2014		Yes	N	U		U	190	9.6	ug/kg
LT-G-035-0-2-20140224	480-55212-27	BENZO(G,H,I)PERYLENE	2/28/2014		Yes	N	U		U	190	2.3	ug/kg
LT-G-035-2-4-20140224	480-55212-28	4-CHLOROANILINE	2/28/2014		Yes	N	U		U	180	53	ug/kg
LT-G-035-2-4-20140224	480-55212-28	4-CHLORO-3-METHYLPHENOL	2/28/2014		Yes	N	U		U	180	7.4	ug/kg
LT-G-035-2-4-20140224	480-55212-28	2,4-DINITROPHENOL	2/28/2014		Yes	N	U		U	350	63	ug/kg
LT-G-035-2-4-20140224	480-55212-28	2-METHYLPHENOL (O-CRESOL)	2/28/2014		Yes	N	U		U	180	5.5	ug/kg
LT-G-035-2-4-20140224	480-55212-28	4-BROMOPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	180	57	ug/kg
LT-G-035-2-4-20140224	480-55212-28	4,6-DINITRO-2-METHYLPHENOL	2/28/2014		Yes	N	U		U	350	62	ug/kg
LT-G-035-2-4-20140224	480-55212-28	3-NITROANILINE	2/28/2014		Yes	N	U		U	350	41	ug/kg
LT-G-035-2-4-20140224	480-55212-28	3,3'-DICHLOROBENZIDINE	2/28/2014		Yes	N	U		U	180	160	ug/kg
LT-G-035-2-4-20140224	480-55212-28	2-NITROPHENOL	2/28/2014		Yes	N	U		U	180	8.2	ug/kg
LT-G-035-2-4-20140224	480-55212-28	2-NITROANILINE	2/28/2014		Yes	N	U		U	350	58	ug/kg
LT-G-035-2-4-20140224	480-55212-28	2-METHYLNAPHTHALENE	2/28/2014		Yes	N	U		U	180	2.2	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-035-2-4-20140224	480-55212-28	2-CHLOROPHENOL	2/28/2014		Yes	N	U		U	180	9.1	ug/kg
LT-G-035-2-4-20140224	480-55212-28	2-CHLORONAPHTHALENE	2/28/2014		Yes	N	U		U	180	12	ug/kg
LT-G-035-2-4-20140224	480-55212-28	2,4,5-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	180	39	ug/kg
LT-G-035-2-4-20140224	480-55212-28	2,4-DINITROTOLUENE	2/28/2014		Yes	N	U		U	180	28	ug/kg
LT-G-035-2-4-20140224	480-55212-28	2,4-DIMETHYLPHENOL	2/28/2014		Yes	N	U		U	180	48	ug/kg
LT-G-035-2-4-20140224	480-55212-28	2,4-DICHLOROPHENOL	2/28/2014		Yes	N	U		U	180	9.4	ug/kg
LT-G-035-2-4-20140224	480-55212-28	2,4,6-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	180	12	ug/kg
LT-G-035-2-4-20140224	480-55212-28	DI-N-OCTYLPHTHALATE	2/28/2014		Yes	N	U		U	180	4.2	ug/kg
LT-G-035-2-4-20140224	480-55212-28	4-CHLOROPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-035-2-4-20140224	480-55212-28	2,6-DINITROTOLUENE	2/28/2014		Yes	N	U		U	180	44	ug/kg
LT-G-035-2-4-20140224	480-55212-28	INDENO(1,2,3-C,D)PYRENE	2/28/2014		Yes	N	U		U	180	5.0	ug/kg
LT-G-035-2-4-20140224	480-55212-28	DIBENZ(A,H)ANTHRACENE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-035-2-4-20140224	480-55212-28	DIBENZOFURAN	2/28/2014		Yes	N	U		U	180	1.9	ug/kg
LT-G-035-2-4-20140224	480-55212-28	DIETHYL PHTHALATE	2/28/2014		Yes	N	U		U	180	5.4	ug/kg
LT-G-035-2-4-20140224	480-55212-28	DI-N-BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	180	62	ug/kg
LT-G-035-2-4-20140224	480-55212-28	FLUORANTHENE	2/28/2014		Yes	N	U		U	180	2.6	ug/kg
LT-G-035-2-4-20140224	480-55212-28	FLUORENE	2/28/2014		Yes	N	U		U	180	4.1	ug/kg
LT-G-035-2-4-20140224	480-55212-28	HEXACHLOROENZENE	2/28/2014		Yes	N	U		U	180	8.9	ug/kg
LT-G-035-2-4-20140224	480-55212-28	HEXACHLOROBUTADIENE	2/28/2014		Yes	N	U		U	180	9.2	ug/kg
LT-G-035-2-4-20140224	480-55212-28	CHRYSENE	2/28/2014		Yes	N	U		U	180	1.8	ug/kg
LT-G-035-2-4-20140224	480-55212-28	HEXACHLOROETHANE	2/28/2014		Yes	N	U		U	180	14	ug/kg
LT-G-035-2-4-20140224	480-55212-28	N-NITROSODI-N-PROPYLAMINE	2/28/2014		Yes	N	U		U	180	14	ug/kg
LT-G-035-2-4-20140224	480-55212-28	ISOPHORONE	2/28/2014		Yes	N	U		U	180	9.0	ug/kg
LT-G-035-2-4-20140224	480-55212-28	NAPHTHALENE	2/28/2014		Yes	N	U		U	180	3.0	ug/kg
LT-G-035-2-4-20140224	480-55212-28	NITROBENZENE	2/28/2014		Yes	N	U		U	180	8.0	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-035-2-4-20140224	480-55212-28	N-NITROSODIPHENYLAMINE	2/28/2014		Yes	N	U		U	180	9.8	ug/kg
LT-G-035-2-4-20140224	480-55212-28	PHENANTHRENE	2/28/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-035-2-4-20140224	480-55212-28	PHENOL	2/28/2014		Yes	N	U		U	180	19	ug/kg
LT-G-035-2-4-20140224	480-55212-28	PYRENE	2/28/2014		Yes	N	U		U	180	1.2	ug/kg
LT-G-035-2-4-20140224	480-55212-28	4-METHYLPHENOL (P-CRESOL)	2/28/2014		Yes	N	U		U	350	10	ug/kg
LT-G-035-2-4-20140224	480-55212-28	DIMETHYL PHTHALATE	2/28/2014		Yes	N	U		U	180	4.7	ug/kg
LT-G-035-2-4-20140224	480-55212-28	HEXACHLOROCYCLOPENTADIENE	2/28/2014		Yes	N	U		U	180	54	ug/kg
LT-G-035-2-4-20140224	480-55212-28	ACETOPHENONE	2/28/2014		Yes	N	U		U	180	9.2	ug/kg
LT-G-035-2-4-20140224	480-55212-28	4-NITROANILINE	2/28/2014		Yes	N	U		U	350	20	ug/kg
LT-G-035-2-4-20140224	480-55212-28	4-NITROPHENOL	2/28/2014		Yes	N	U		U	350	44	ug/kg
LT-G-035-2-4-20140224	480-55212-28	PENTACHLOROPHENOL	2/28/2014		Yes	N	U		U	350	62	ug/kg
LT-G-035-2-4-20140224	480-55212-28	CARBAZOLE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-035-2-4-20140224	480-55212-28	ACENAPHTHYLENE	2/28/2014		Yes	N	U		U	180	1.5	ug/kg
LT-G-035-2-4-20140224	480-55212-28	ANTHRACENE	2/28/2014		Yes	N	U		U	180	4.6	ug/kg
LT-G-035-2-4-20140224	480-55212-28	ATRAZINE	2/28/2014		Yes	N	U		U	180	8.0	ug/kg
LT-G-035-2-4-20140224	480-55212-28	BENZALDEHYDE	2/28/2014		Yes	N	U		U	180	20	ug/kg
LT-G-035-2-4-20140224	480-55212-28	BENZO(A)ANTHRACENE	2/28/2014		Yes	N	U		U	180	3.1	ug/kg
LT-G-035-2-4-20140224	480-55212-28	BENZO(A)PYRENE	2/28/2014		Yes	N	U		U	180	4.3	ug/kg
LT-G-035-2-4-20140224	480-55212-28	BIS(2-CHLOROETHOXY) METHANE	2/28/2014		Yes	N	U		U	180	9.8	ug/kg
LT-G-035-2-4-20140224	480-55212-28	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/28/2014		Yes	N	U		U	180	15	ug/kg
LT-G-035-2-4-20140224	480-55212-28	ACENAPHTHENE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-035-2-4-20140224	480-55212-28	BENZO(B)FLUORANTHENE	2/28/2014		Yes	N	U		U	180	3.5	ug/kg
LT-G-035-2-4-20140224	480-55212-28	BIS(2-ETHYLHEXYL) PHTHALATE	2/28/2014		Yes	N	U		U	180	58	ug/kg
LT-G-035-2-4-20140224	480-55212-28	BIS(2-CHLOROISOPROPYL) ETHER	2/28/2014		Yes	N	U		U	180	19	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-035-2-4-20140224	480-55212-28	CAPROLACTAM	2/28/2014		Yes	N	U		U	180	78	ug/kg
LT-G-035-2-4-20140224	480-55212-28	BIPHENYL (DIPHENYL)	2/28/2014		Yes	N	U		U	180	11	ug/kg
LT-G-035-2-4-20140224	480-55212-28	BENZYL BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	180	48	ug/kg
LT-G-035-2-4-20140224	480-55212-28	BENZO(K)FLUORANTHENE	2/28/2014		Yes	N	U		U	180	2.0	ug/kg
LT-G-035-2-4-20140224	480-55212-28	BENZO(G,H,I)PERYLENE	2/28/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-035-6-8-20140224	480-55212-29	DIMETHYL PHTHALATE	2/28/2014		Yes	N	U		U	180	4.7	ug/kg
LT-G-035-6-8-20140224	480-55212-29	BIS(2-ETHYLHEXYL) PHTHALATE	2/28/2014	91	Yes	Y	J		J	180	58	ug/kg
LT-G-035-6-8-20140224	480-55212-29	DI-N-BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	180	62	ug/kg
LT-G-035-6-8-20140224	480-55212-29	DI-N-OCTYLPHTHALATE	2/28/2014		Yes	N	U		U	180	4.2	ug/kg
LT-G-035-6-8-20140224	480-55212-29	DIBENZOFURAN	2/28/2014		Yes	N	U		U	180	1.9	ug/kg
LT-G-035-6-8-20140224	480-55212-29	DIBENZ(A,H)ANTHRACENE	2/28/2014		Yes	N	U	UJ	UJ	180	2.1	ug/kg
LT-G-035-6-8-20140224	480-55212-29	DIETHYL PHTHALATE	2/28/2014		Yes	N	U	UJ	UJ	180	5.4	ug/kg
LT-G-035-6-8-20140224	480-55212-29	CHRYSENE	2/28/2014		Yes	N	U		U	180	1.8	ug/kg
LT-G-035-6-8-20140224	480-55212-29	CAPROLACTAM	2/28/2014		Yes	N	U		U	180	78	ug/kg
LT-G-035-6-8-20140224	480-55212-29	BIS(2-CHLOROISOPROPYL) ETHER	2/28/2014		Yes	N	U		U	180	19	ug/kg
LT-G-035-6-8-20140224	480-55212-29	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2/28/2014		Yes	N	U		U	180	16	ug/kg
LT-G-035-6-8-20140224	480-55212-29	FLUORANTHENE	2/28/2014		Yes	N	U		U	180	2.6	ug/kg
LT-G-035-6-8-20140224	480-55212-29	N-NITROSODI-N-PROPYLAMINE	2/28/2014		Yes	N	U		U	180	14	ug/kg
LT-G-035-6-8-20140224	480-55212-29	BIS(2-CHLOROETHOXY) METHANE	2/28/2014		Yes	N	U		U	180	9.8	ug/kg
LT-G-035-6-8-20140224	480-55212-29	BIPHENYL (DIPHENYL)	2/28/2014		Yes	N	U		U	180	11	ug/kg
LT-G-035-6-8-20140224	480-55212-29	CARBAZOLE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-035-6-8-20140224	480-55212-29	NITROBENZENE	2/28/2014		Yes	N	U		U	180	8.0	ug/kg
LT-G-035-6-8-20140224	480-55212-29	2-METHYLPHENOL (O-CRESOL)	2/28/2014		Yes	N	U		U	180	5.5	ug/kg
LT-G-035-6-8-20140224	480-55212-29	BENZYL BUTYL PHTHALATE	2/28/2014		Yes	N	U		U	180	48	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-035-6-8-20140224	480-55212-29	PYRENE	2/28/2014		Yes	N	U		U	180	1.2	ug/kg
LT-G-035-6-8-20140224	480-55212-29	PHENOL	2/28/2014		Yes	N	U		U	180	19	ug/kg
LT-G-035-6-8-20140224	480-55212-29	PHENANTHRENE	2/28/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-035-6-8-20140224	480-55212-29	NAPHTHALENE	2/28/2014		Yes	N	U		U	180	3.0	ug/kg
LT-G-035-6-8-20140224	480-55212-29	N-NITROSODIPHENYLAMINE	2/28/2014		Yes	N	U		U	180	9.8	ug/kg
LT-G-035-6-8-20140224	480-55212-29	FLUORENE	2/28/2014		Yes	N	U		U	180	4.1	ug/kg
LT-G-035-6-8-20140224	480-55212-29	ISOPHORONE	2/28/2014		Yes	N	U		U	180	9.0	ug/kg
LT-G-035-6-8-20140224	480-55212-29	INDENO(1,2,3-C,D)PYRENE	2/28/2014		Yes	N	U	UJ	UJ	180	5.0	ug/kg
LT-G-035-6-8-20140224	480-55212-29	HEXACHLOROETHANE	2/28/2014		Yes	N	U		U	180	14	ug/kg
LT-G-035-6-8-20140224	480-55212-29	HEXACHLOROCYCLOPENTADIENE	2/28/2014		Yes	N	U		U	180	54	ug/kg
LT-G-035-6-8-20140224	480-55212-29	HEXACHLOROBUTADIENE	2/28/2014		Yes	N	U	UJ	UJ	180	9.2	ug/kg
LT-G-035-6-8-20140224	480-55212-29	HEXACHLOROBENZENE	2/28/2014		Yes	N	U	UJ	UJ	180	8.9	ug/kg
LT-G-035-6-8-20140224	480-55212-29	PENTACHLOROPHENOL	2/28/2014		Yes	N	U		U	350	62	ug/kg
LT-G-035-6-8-20140224	480-55212-29	2,6-DINITROTOLUENE	2/28/2014		Yes	N	U		U	180	44	ug/kg
LT-G-035-6-8-20140224	480-55212-29	4,6-DINITRO-2-METHYLPHENOL	2/28/2014		Yes	N	U		U	350	62	ug/kg
LT-G-035-6-8-20140224	480-55212-29	3-NITROANILINE	2/28/2014		Yes	N	U		U	350	41	ug/kg
LT-G-035-6-8-20140224	480-55212-29	3,3'-DICHLOROBENZIDINE	2/28/2014		Yes	N	U		U	180	160	ug/kg
LT-G-035-6-8-20140224	480-55212-29	2-NITROANILINE	2/28/2014		Yes	N	U		U	350	58	ug/kg
LT-G-035-6-8-20140224	480-55212-29	2-METHYLNAPHTHALENE	2/28/2014		Yes	N	U		U	180	2.2	ug/kg
LT-G-035-6-8-20140224	480-55212-29	2-NITROPHENOL	2/28/2014		Yes	N	U		U	180	8.2	ug/kg
LT-G-035-6-8-20140224	480-55212-29	2-CHLORONAPHTHALENE	2/28/2014		Yes	N	U		U	180	12	ug/kg
LT-G-035-6-8-20140224	480-55212-29	4-CHLOROANILINE	2/28/2014		Yes	N	U		U	180	53	ug/kg
LT-G-035-6-8-20140224	480-55212-29	2,4-DINITROTOLUENE	2/28/2014		Yes	N	U		U	180	28	ug/kg
LT-G-035-6-8-20140224	480-55212-29	2,4-DINITROPHENOL	2/28/2014		Yes	N	U		U	350	63	ug/kg
LT-G-035-6-8-20140224	480-55212-29	2,4-DIMETHYLPHENOL	2/28/2014		Yes	N	U		U	180	49	ug/kg

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Analytical Method		SW8270D										
Sample ID	Lab Sample ID	Chemical Name	Anal Date	Result	Report	Detect	Lab Qual	Val Qual	Final qual	RL	MDL	Units
LT-G-035-6-8-20140224	480-55212-29	2,4-DICHLOROPHENOL	2/28/2014		Yes	N	U		U	180	9.4	ug/kg
LT-G-035-6-8-20140224	480-55212-29	2,4,6-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	180	12	ug/kg
LT-G-035-6-8-20140224	480-55212-29	2,4,5-TRICHLOROPHENOL	2/28/2014		Yes	N	U		U	180	39	ug/kg
LT-G-035-6-8-20140224	480-55212-29	2-CHLOROPHENOL	2/28/2014		Yes	N	U		U	180	9.2	ug/kg
LT-G-035-6-8-20140224	480-55212-29	ACENAPHTHYLENE	2/28/2014		Yes	N	U		U	180	1.5	ug/kg
LT-G-035-6-8-20140224	480-55212-29	BENZO(G,H,I)PERYLENE	2/28/2014		Yes	N	U	UJ	UJ	180	2.2	ug/kg
LT-G-035-6-8-20140224	480-55212-29	BENZO(B)FLUORANTHENE	2/28/2014		Yes	N	U	UJ	UJ	180	3.5	ug/kg
LT-G-035-6-8-20140224	480-55212-29	BENZO(A)PYRENE	2/28/2014		Yes	N	U	UJ	UJ	180	4.3	ug/kg
LT-G-035-6-8-20140224	480-55212-29	BENZO(A)ANTHRACENE	2/28/2014		Yes	N	U		U	180	3.1	ug/kg
LT-G-035-6-8-20140224	480-55212-29	BENZALDEHYDE	2/28/2014		Yes	N	U		U	180	20	ug/kg
LT-G-035-6-8-20140224	480-55212-29	ATRAZINE	2/28/2014		Yes	N	U		U	180	8.0	ug/kg
LT-G-035-6-8-20140224	480-55212-29	4-BROMOPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	180	57	ug/kg
LT-G-035-6-8-20140224	480-55212-29	ACETOPHENONE	2/28/2014		Yes	N	U		U	180	9.2	ug/kg
LT-G-035-6-8-20140224	480-55212-29	4-CHLORO-3-METHYLPHENOL	2/28/2014		Yes	N	U		U	180	7.4	ug/kg
LT-G-035-6-8-20140224	480-55212-29	ACENAPHTHENE	2/28/2014		Yes	N	U		U	180	2.1	ug/kg
LT-G-035-6-8-20140224	480-55212-29	4-NITROPHENOL	2/28/2014		Yes	N	U		U	350	44	ug/kg
LT-G-035-6-8-20140224	480-55212-29	4-NITROANILINE	2/28/2014		Yes	N	U		U	350	20	ug/kg
LT-G-035-6-8-20140224	480-55212-29	4-METHYLPHENOL (P-CRESOL)	2/28/2014		Yes	N	U		U	350	10	ug/kg
LT-G-035-6-8-20140224	480-55212-29	4-CHLOROPHENYL PHENYL ETHER	2/28/2014		Yes	N	U		U	180	3.8	ug/kg
LT-G-035-6-8-20140224	480-55212-29	BENZO(K)FLUORANTHENE	2/28/2014		Yes	N	U	UJ	UJ	180	2.0	ug/kg
LT-G-035-6-8-20140224	480-55212-29	ANTHRACENE	2/28/2014		Yes	N	U		U	180	4.6	ug/kg